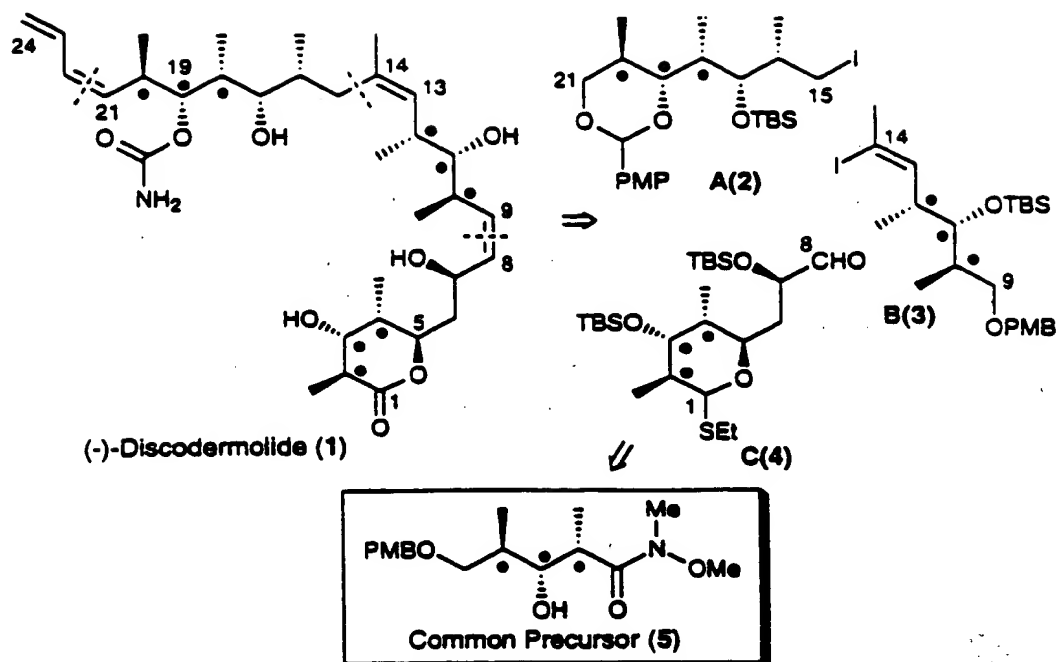


Figure 1



• Denote the repeating stereochemical triad

Figure 2

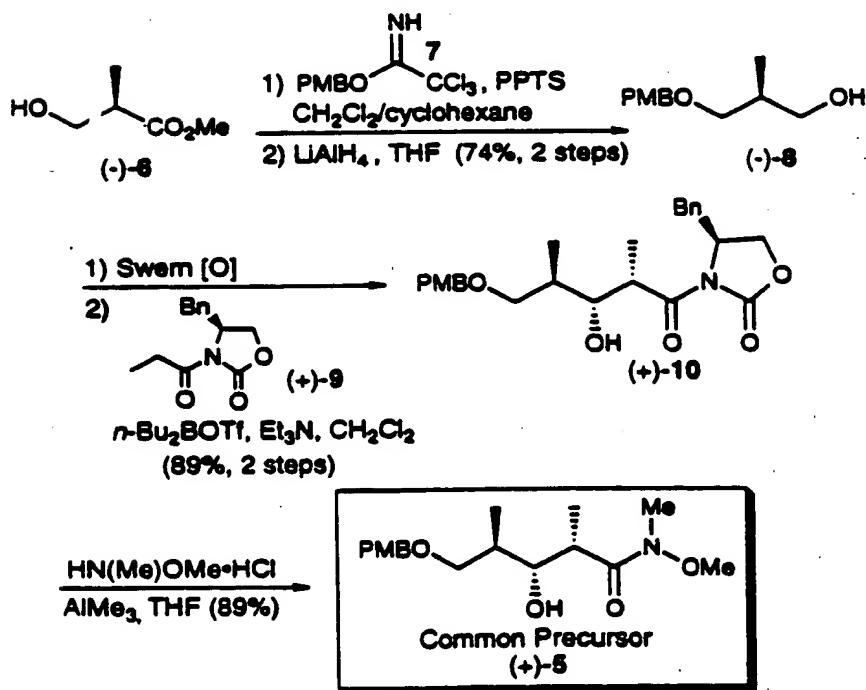
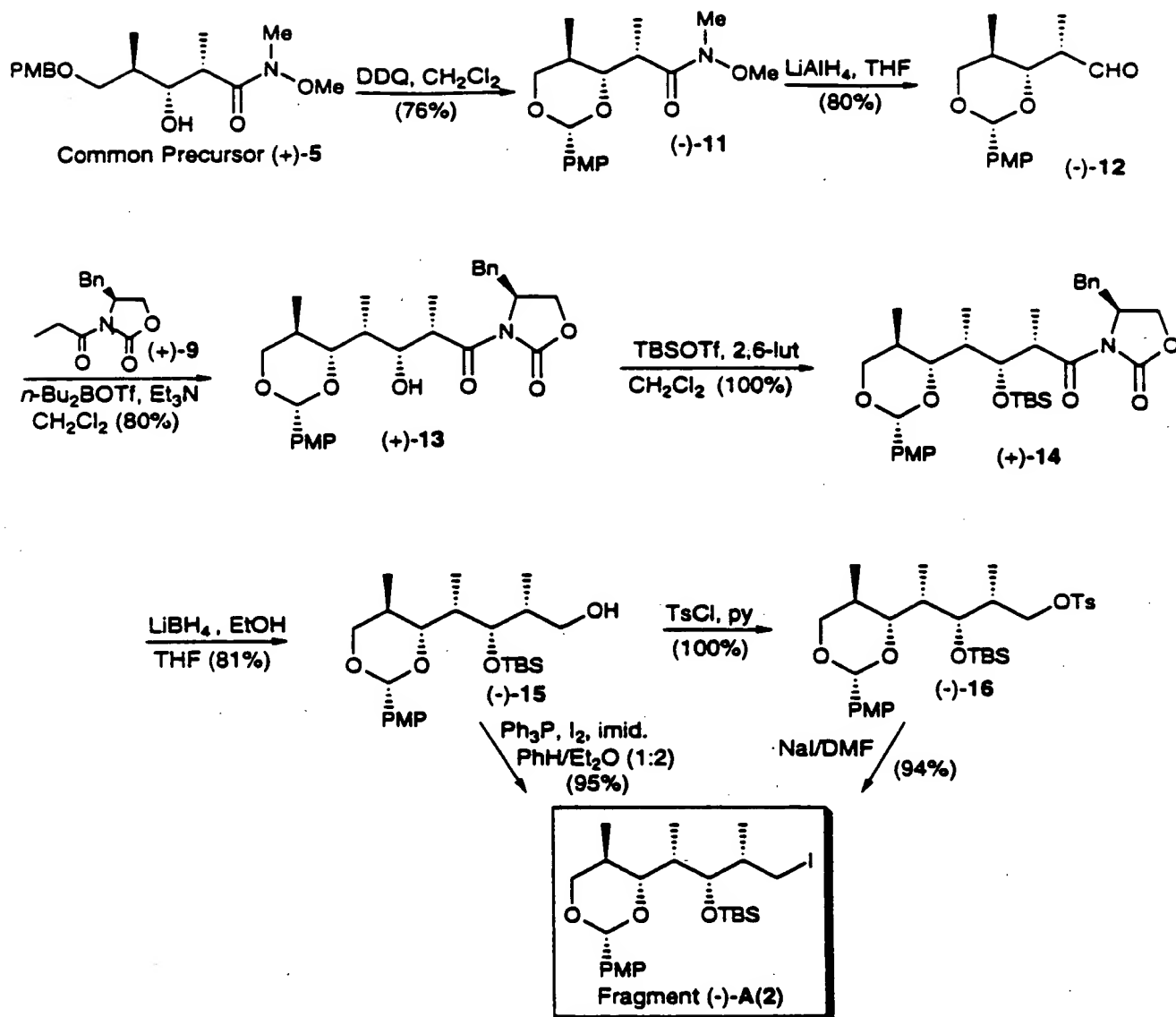


Figure 3



0099027-02666760



Figure 5

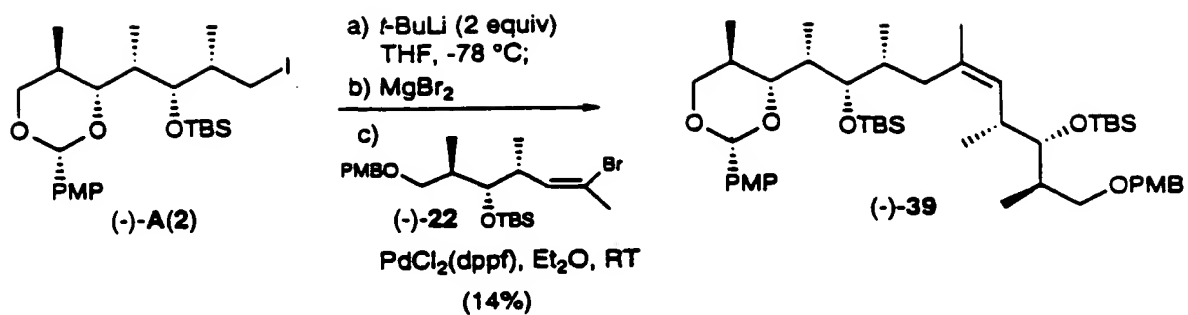


Figure 6

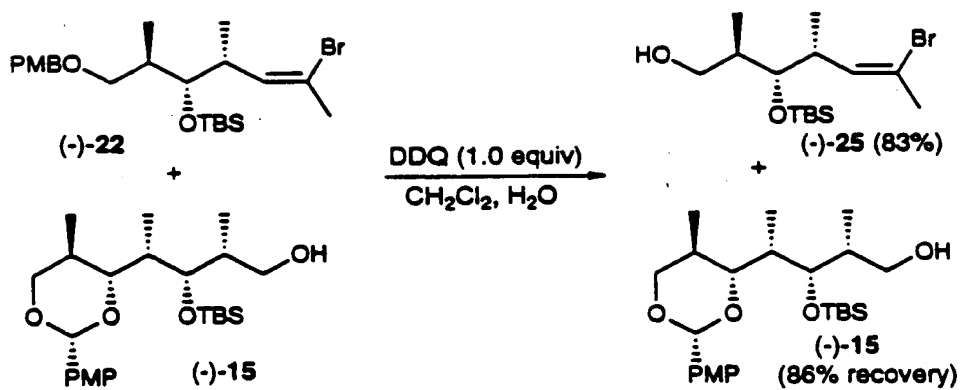


Figure 7

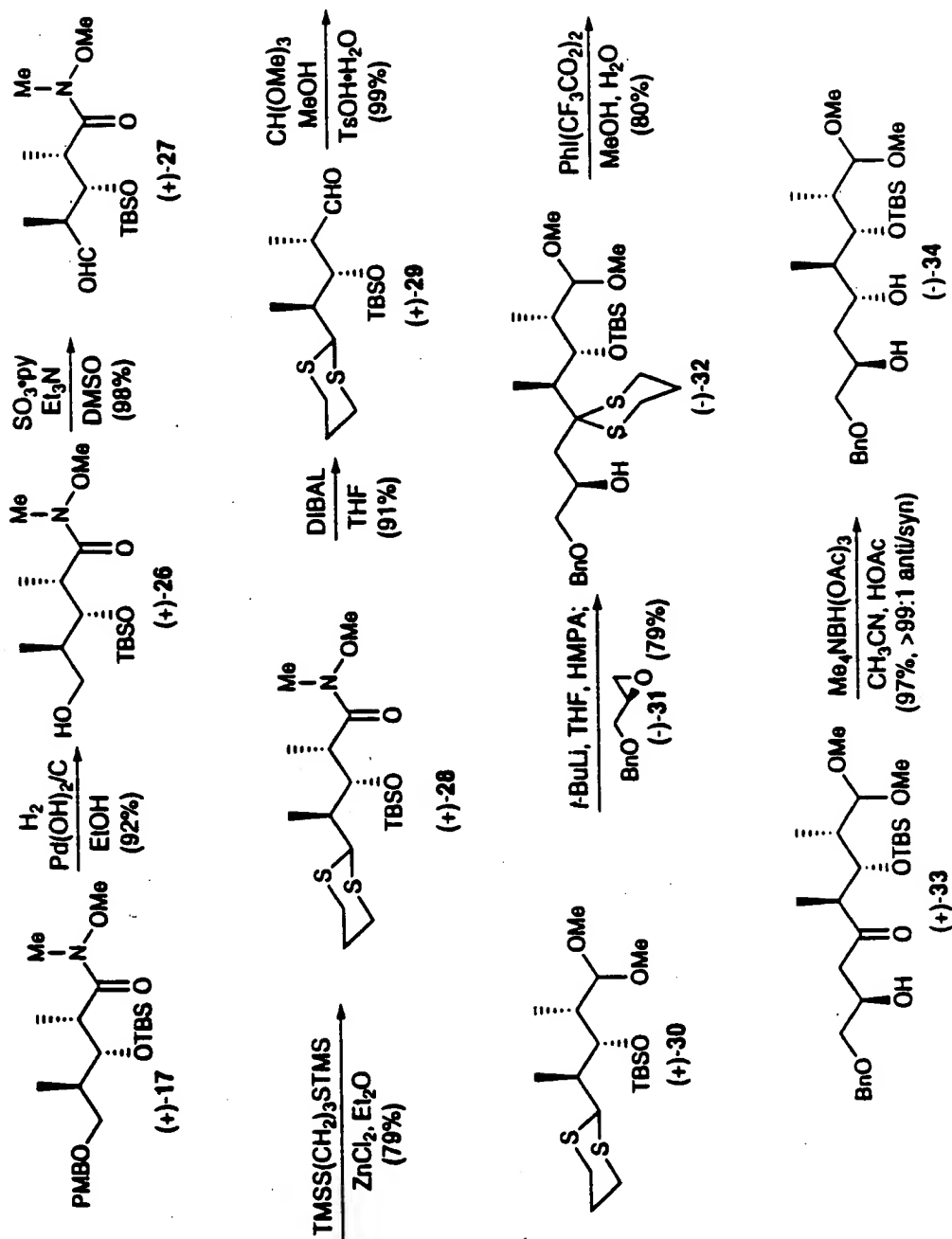


Figure 8

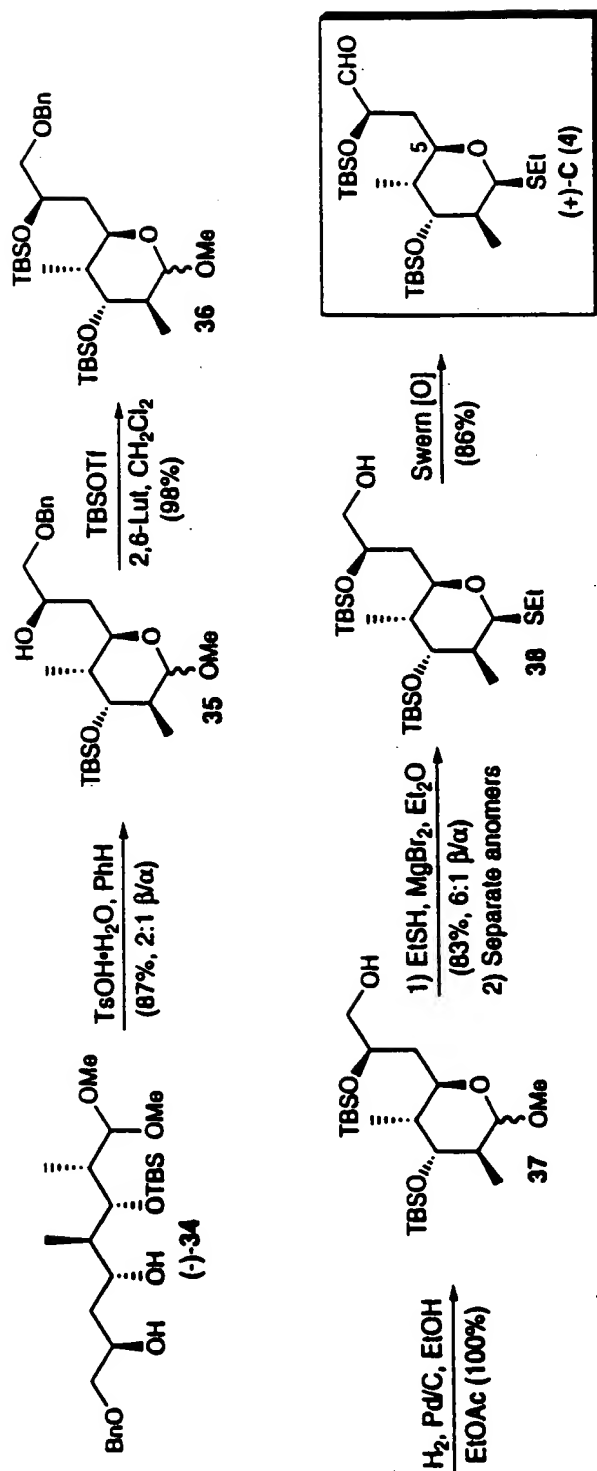


Figure 9

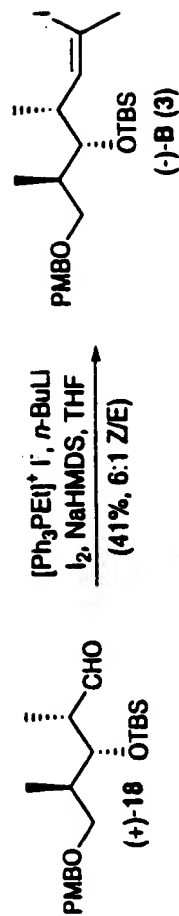


Figure 10

- a)  $t\text{-BuLi}$  (3 equiv)  
 $\text{Et}_2\text{O}$   
 $-78^\circ\text{C} \rightarrow \text{RT}$   
 b)  $(-)\text{-B}$ ,  $\text{Pd}(\text{PPh}_3)_4$   
 $\text{Et}_2\text{O}$ , RT  
 c) Separate Z and E isomers (66%)

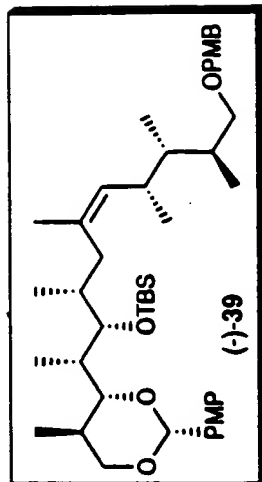
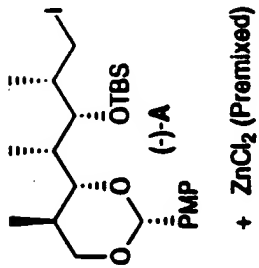


Figure 11

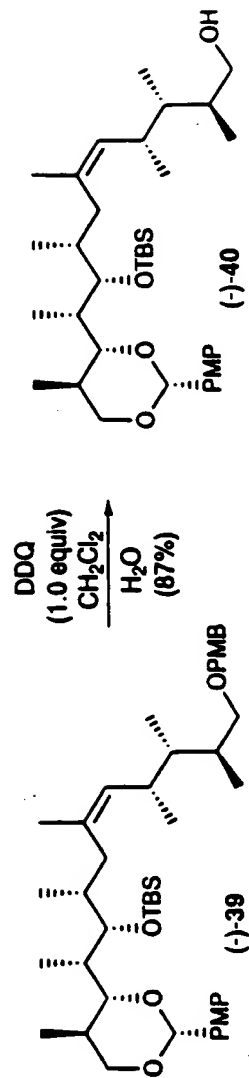


Figure 12

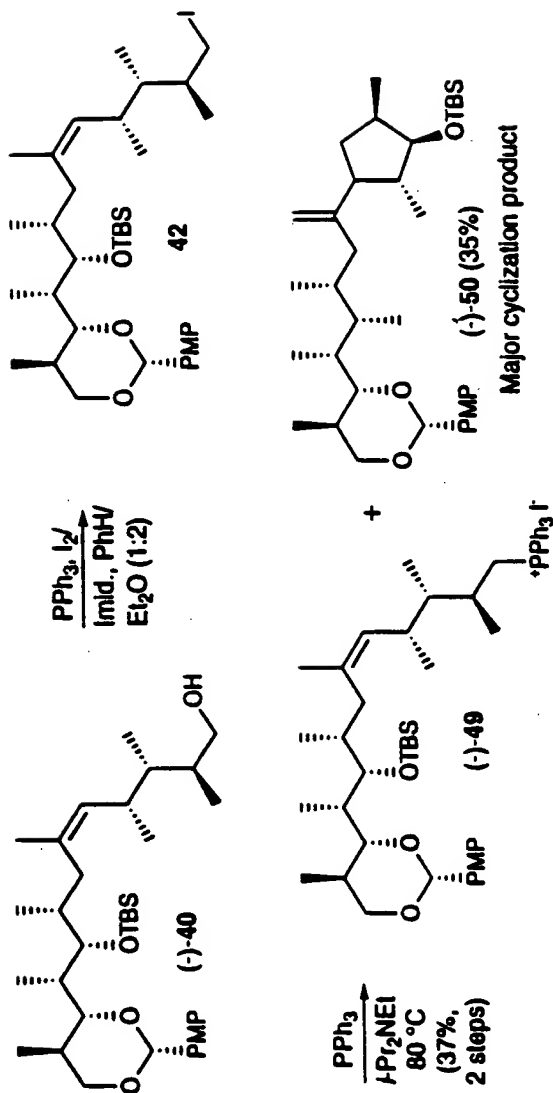






Figure 14

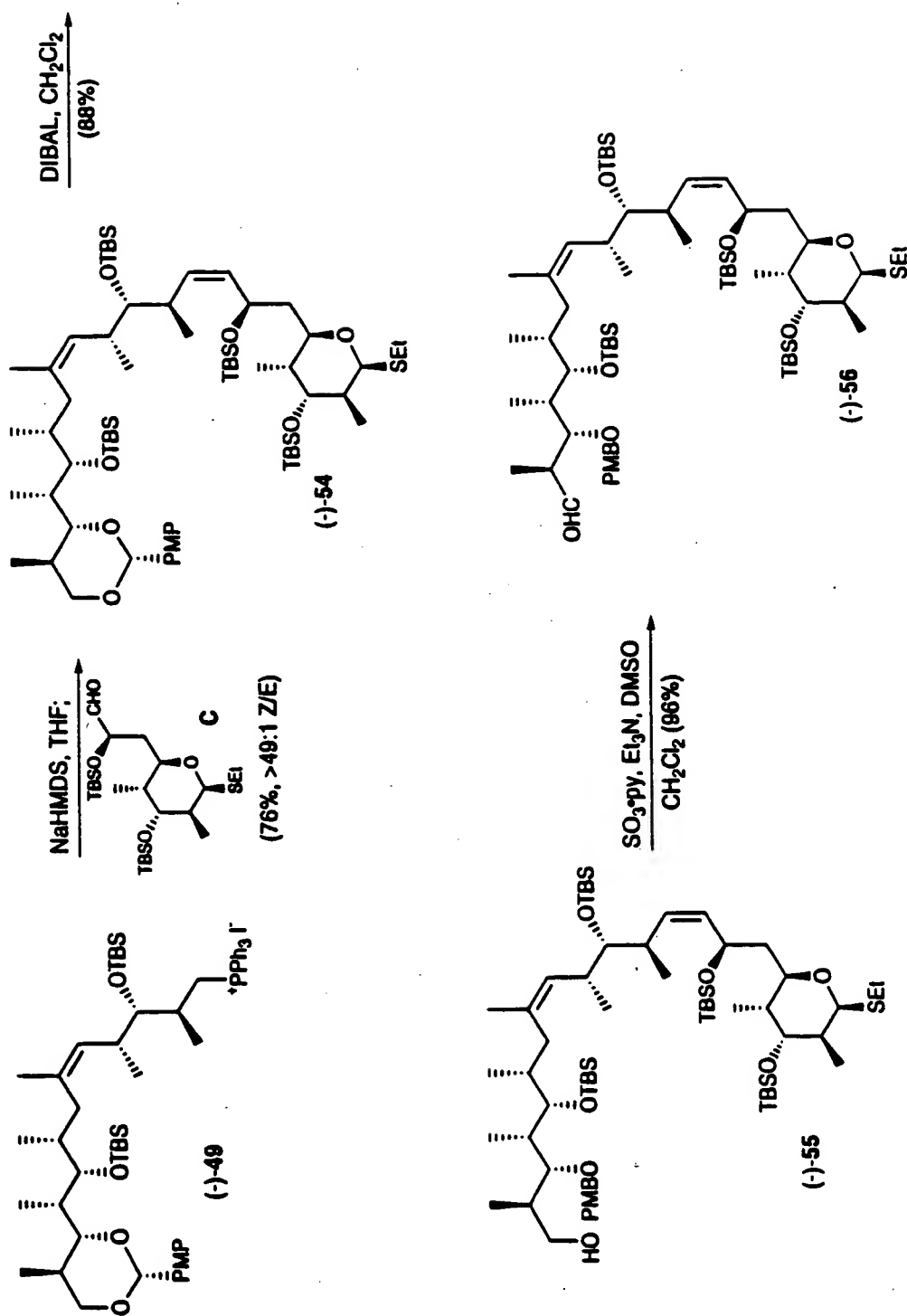


Figure 15

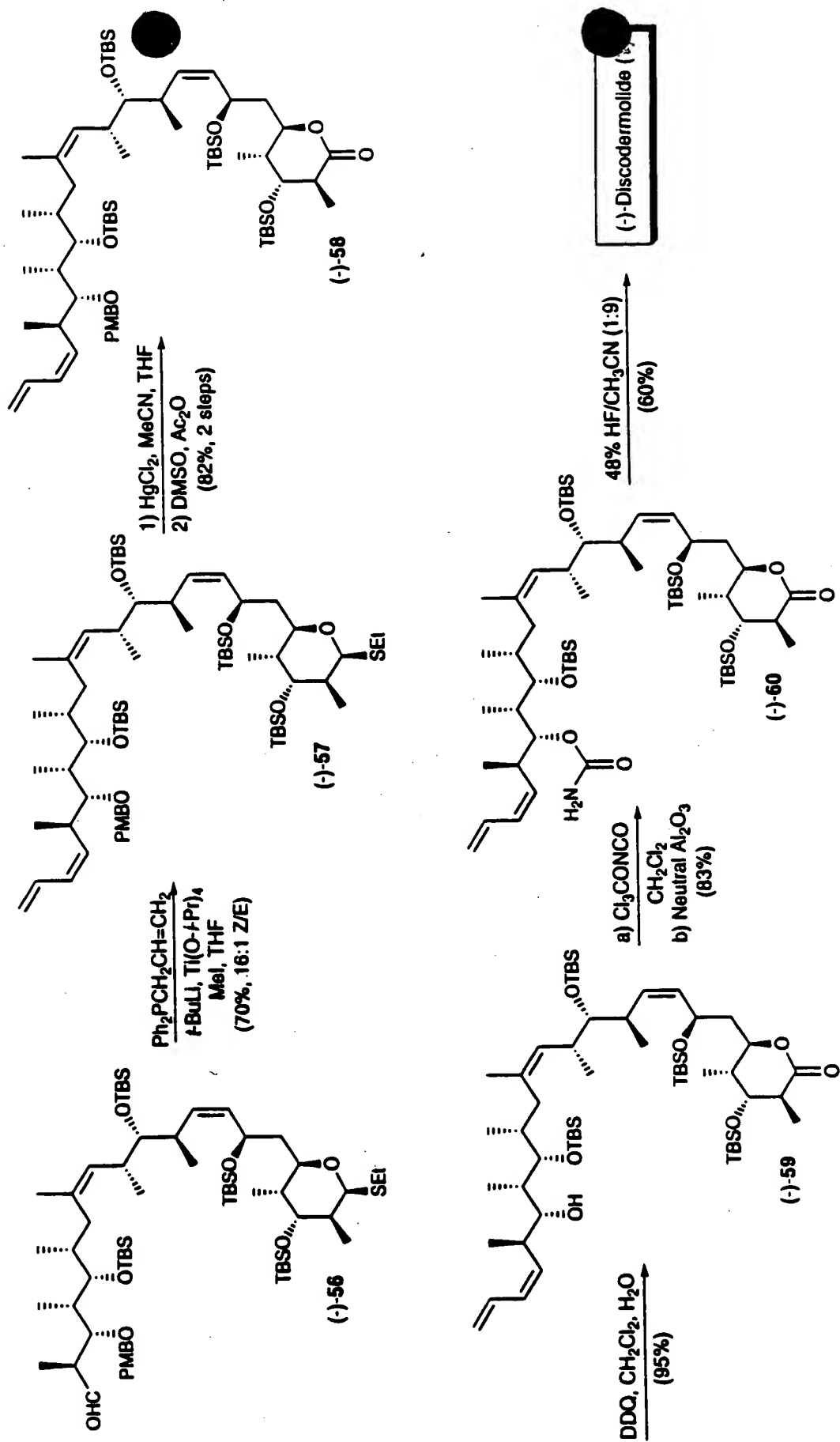


Figure 16

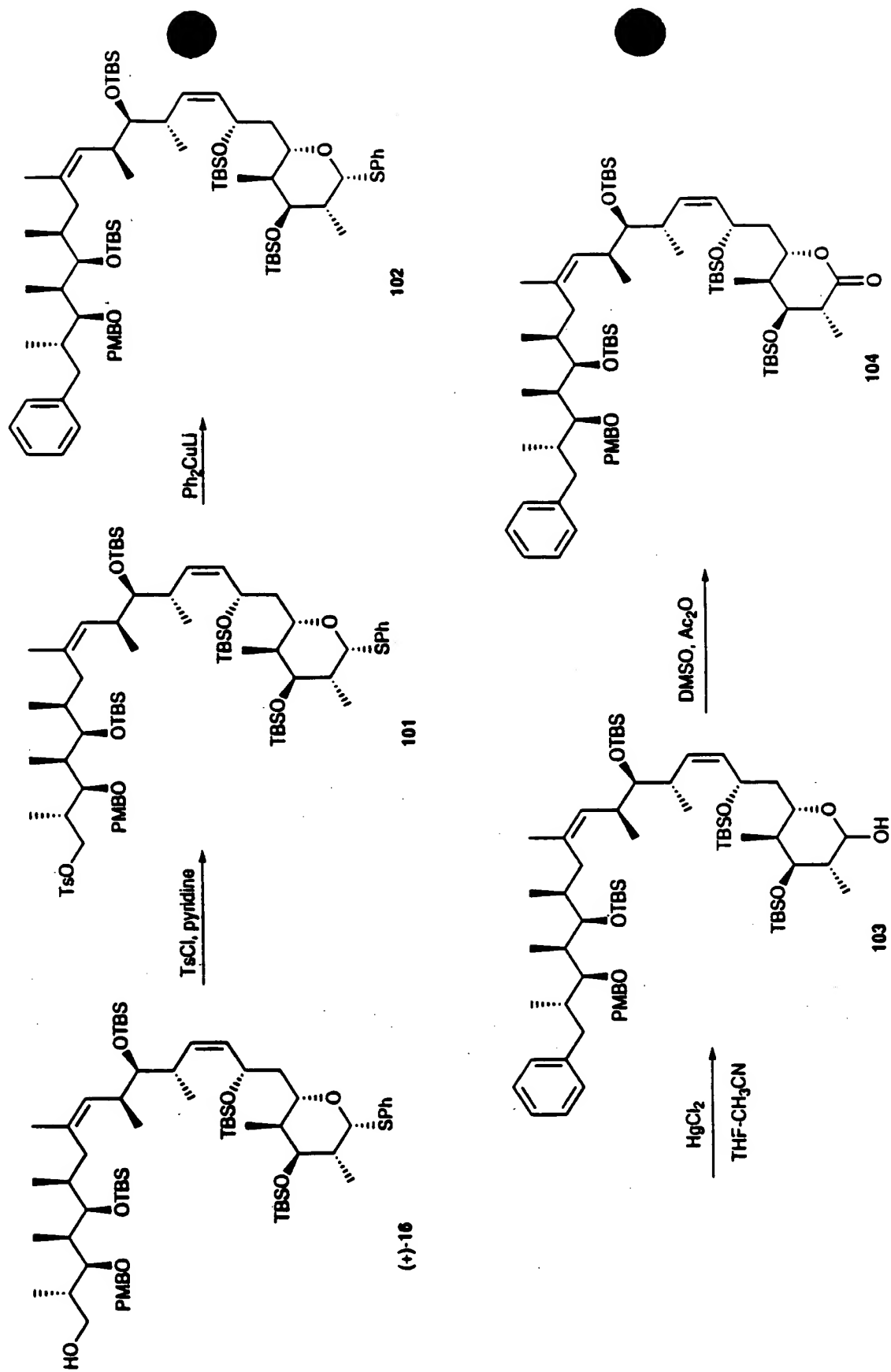


Figure 17

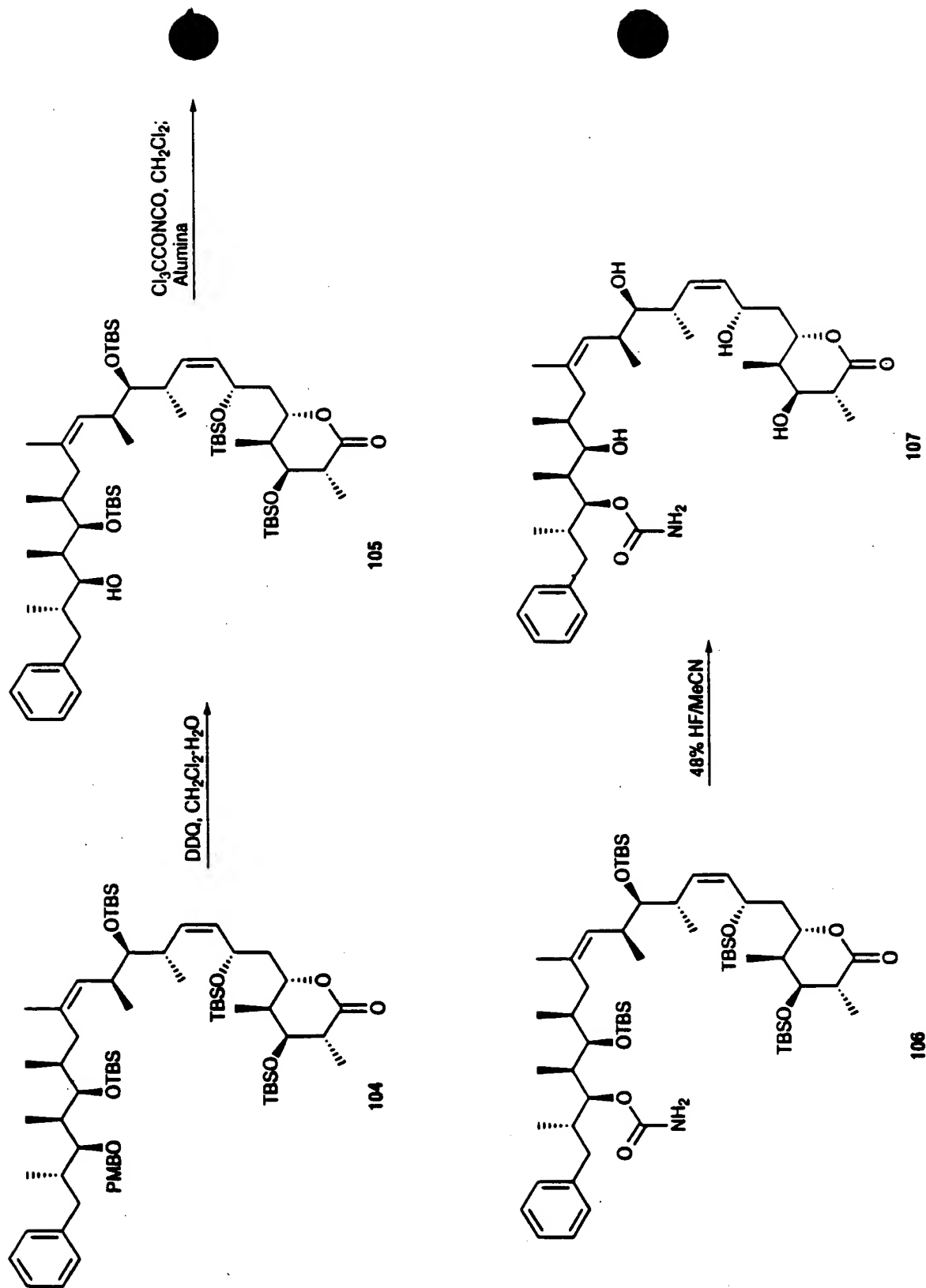


Figure 18

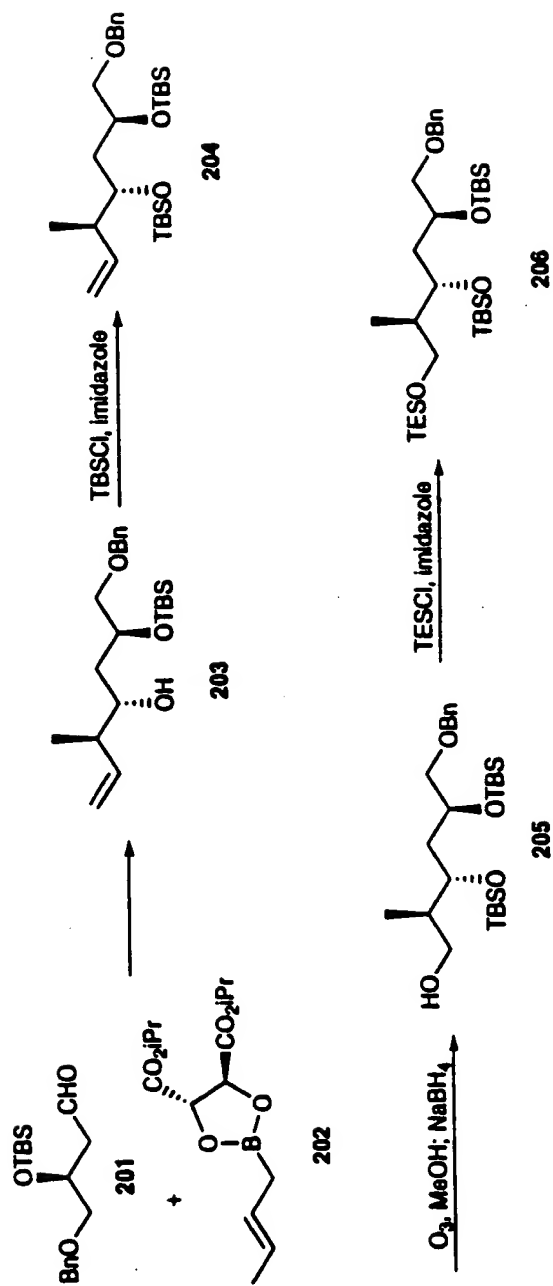




Figure 20

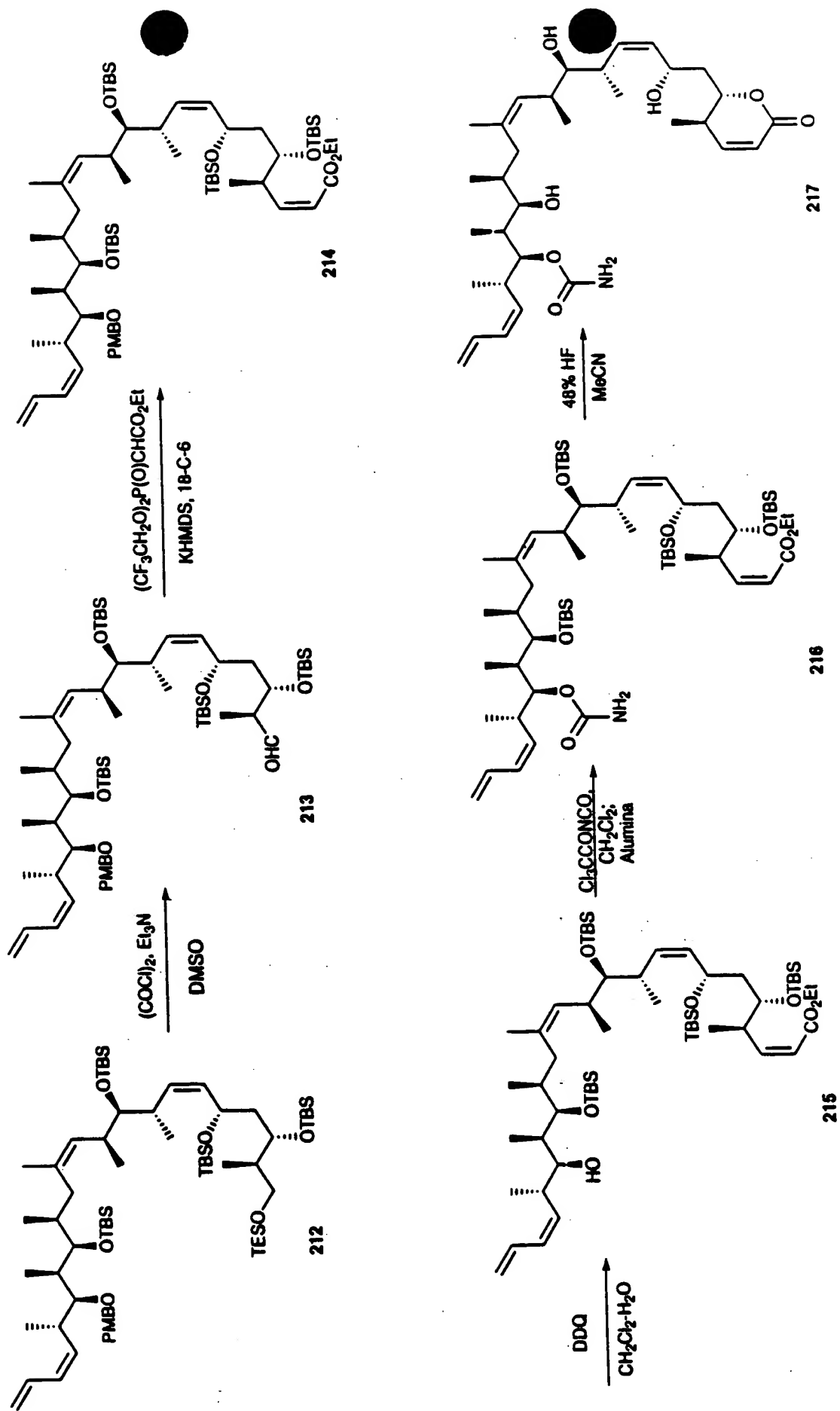




Figure 21

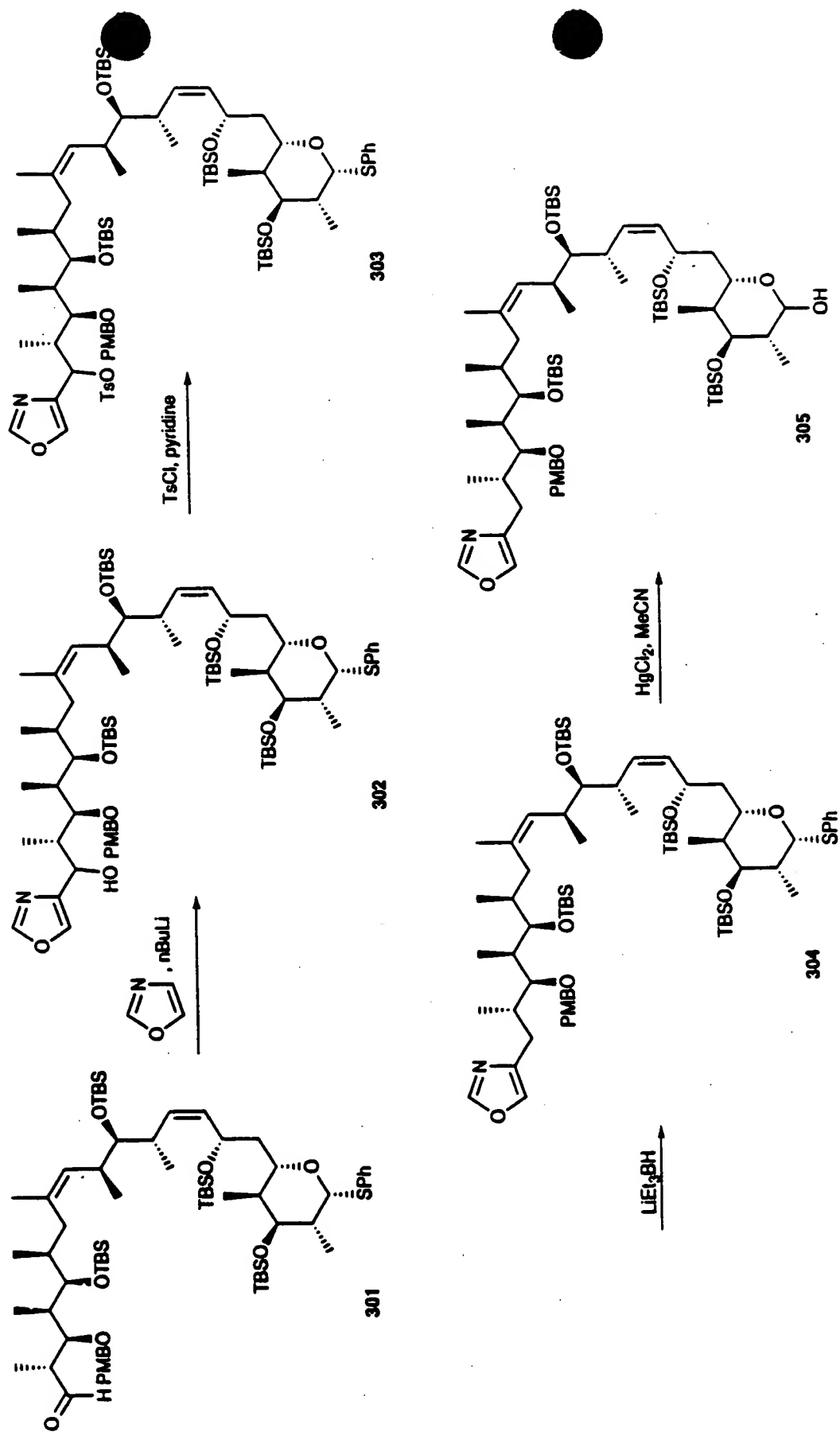


Figure 22

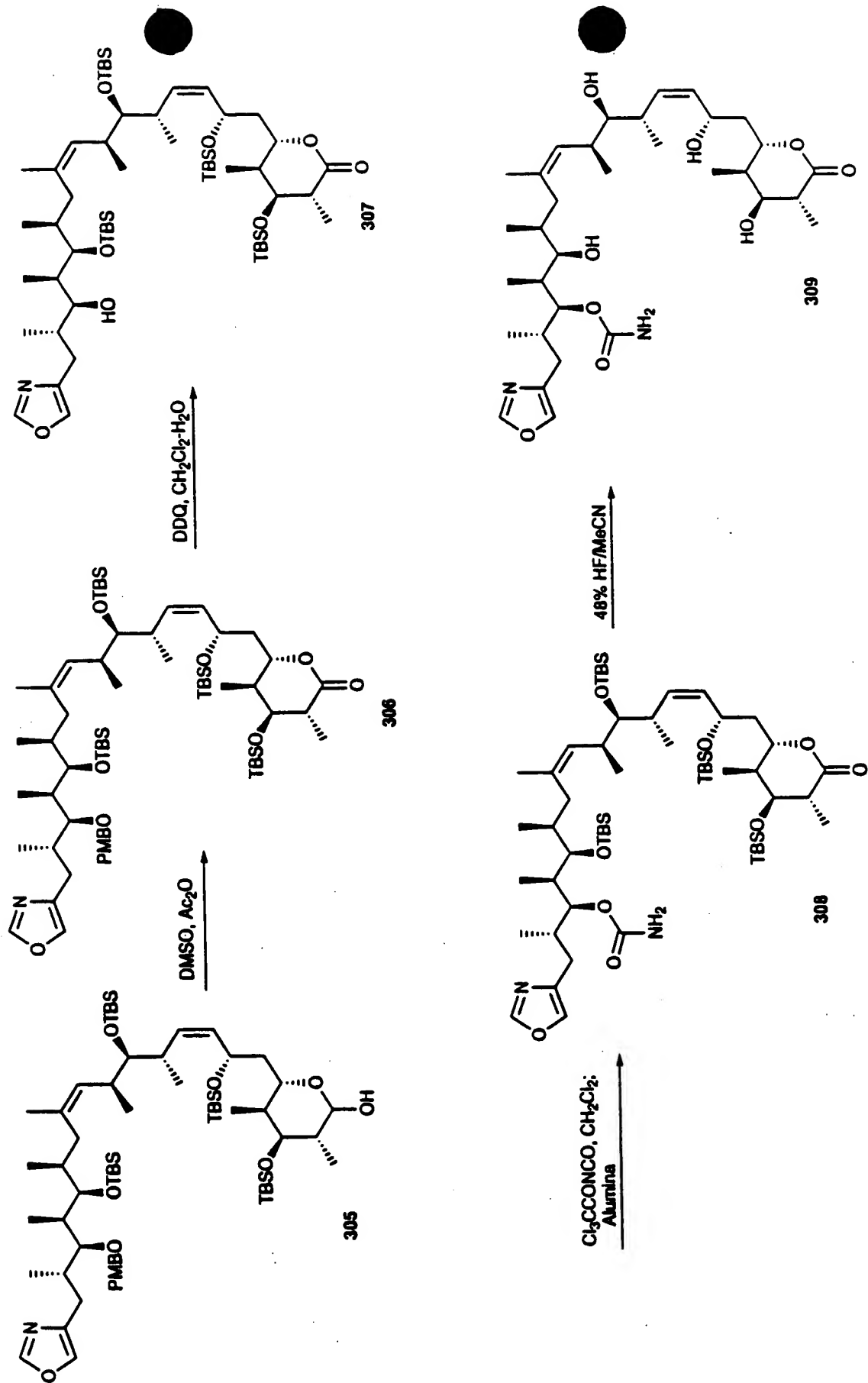


Figure 23

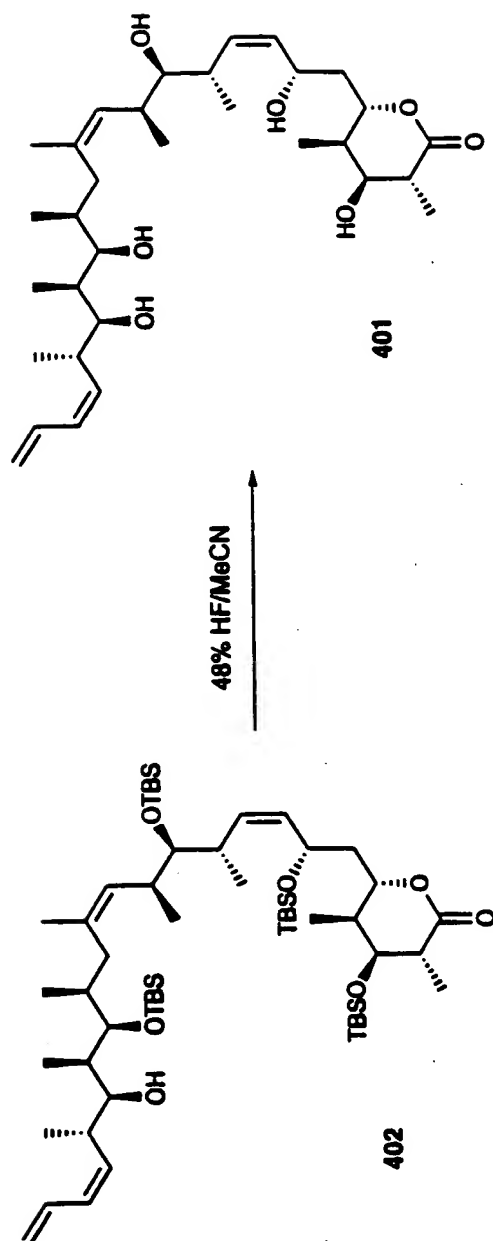


Figure 24

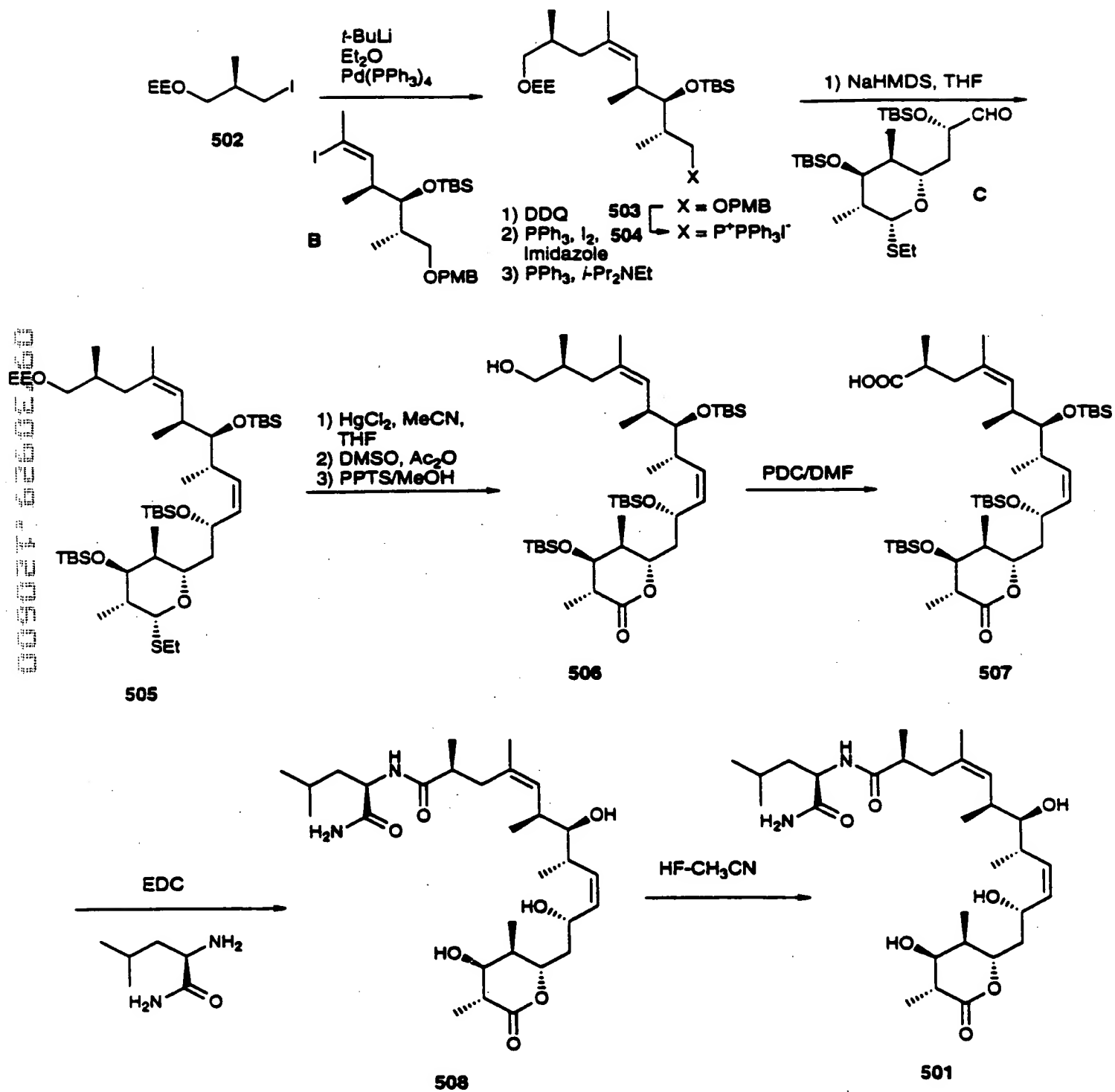


Figure 25

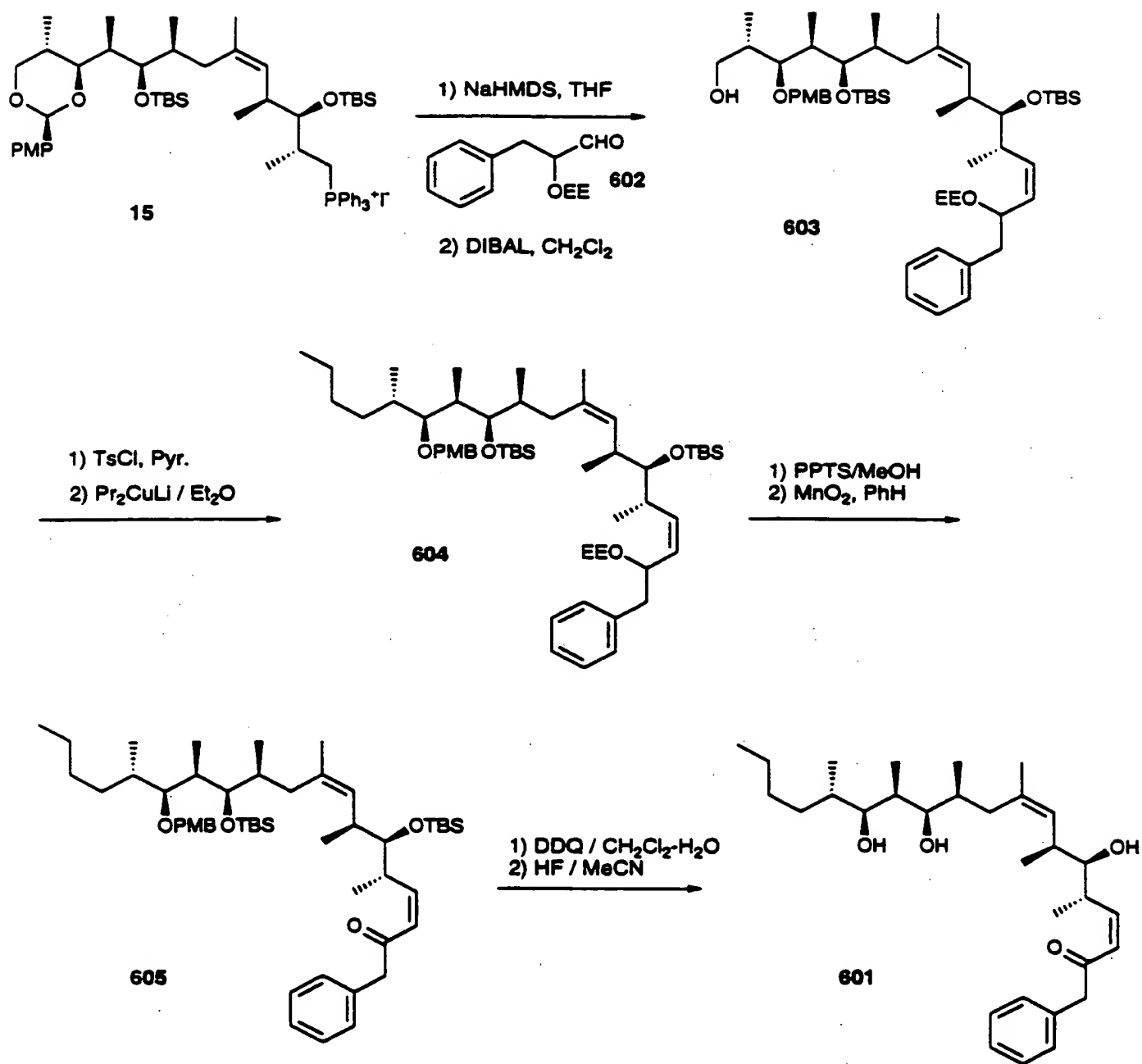
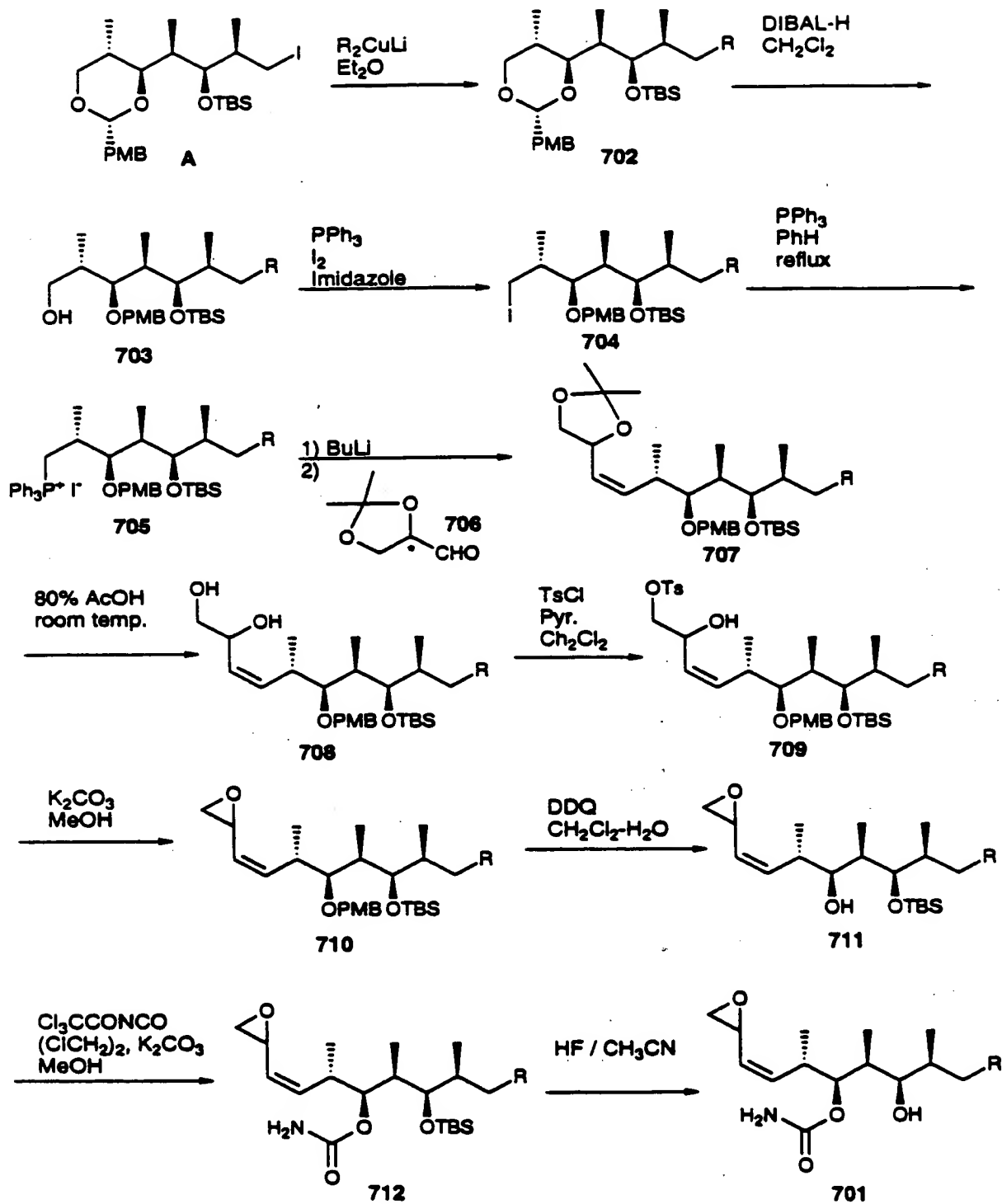


Figure 26



009027 6260260

Figure 27

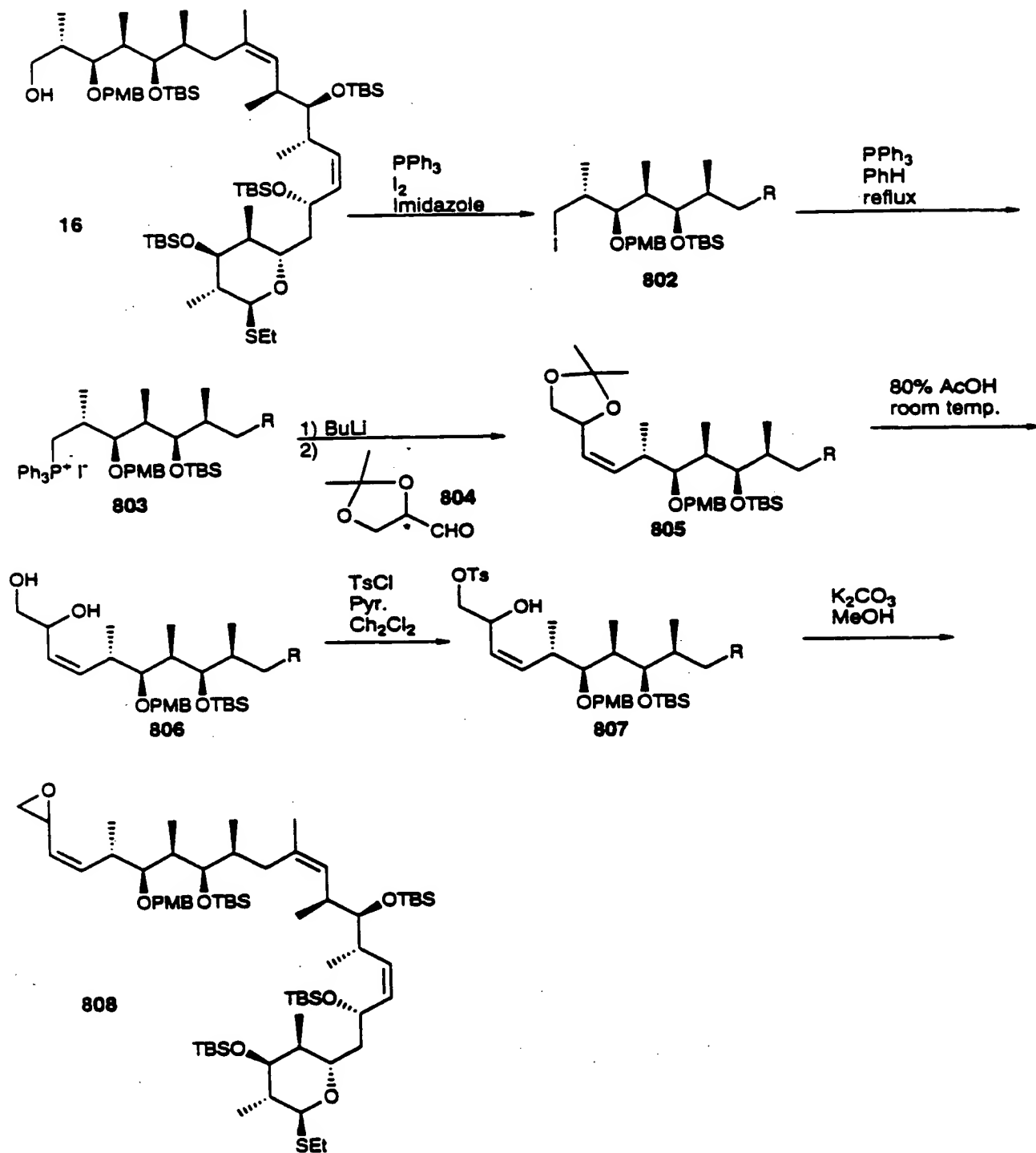


Figure 28

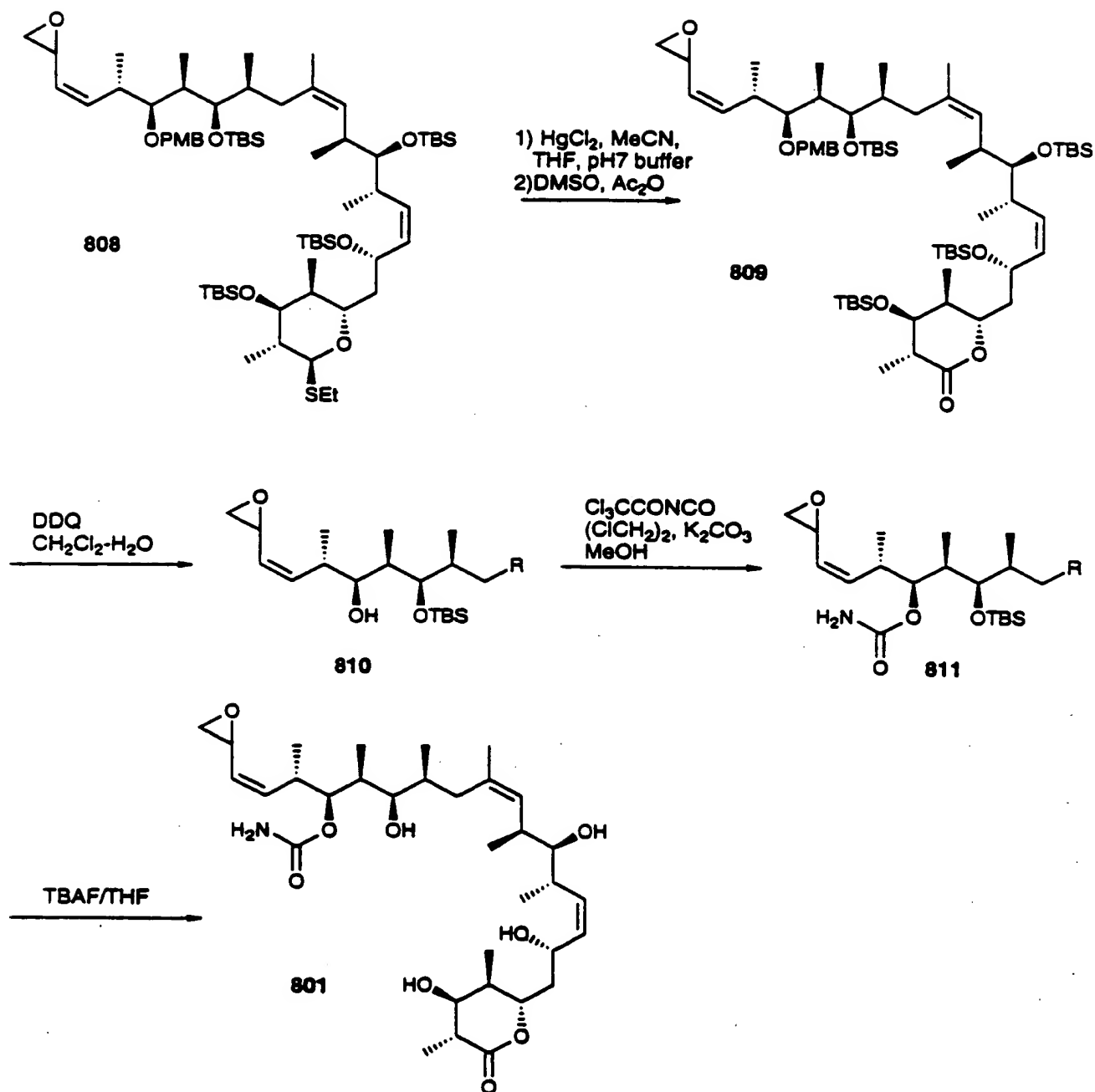




Figure 29

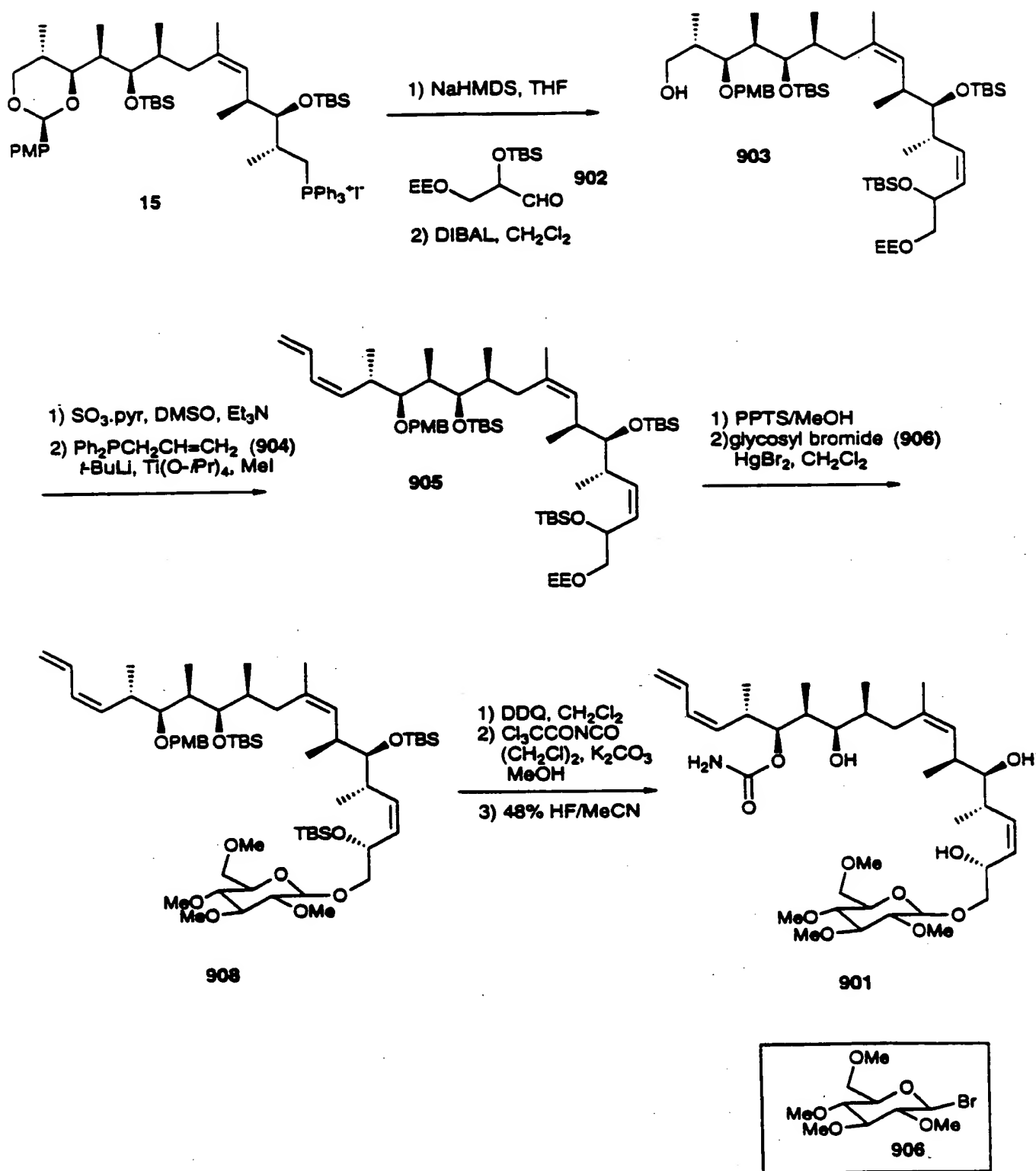


Figure 30

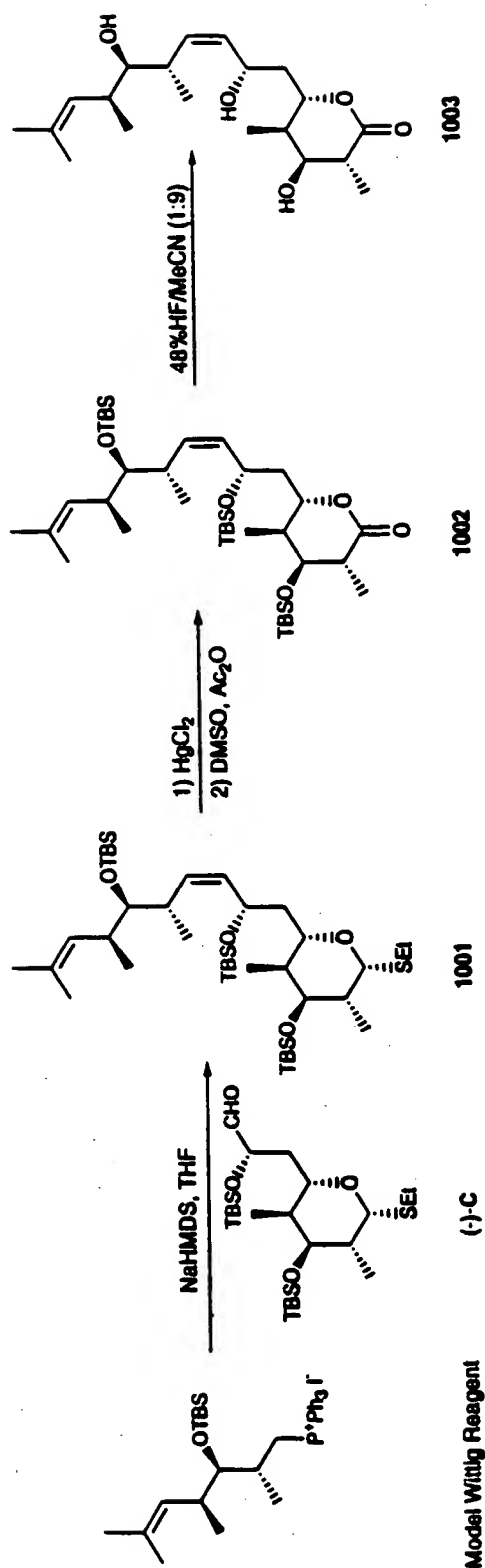
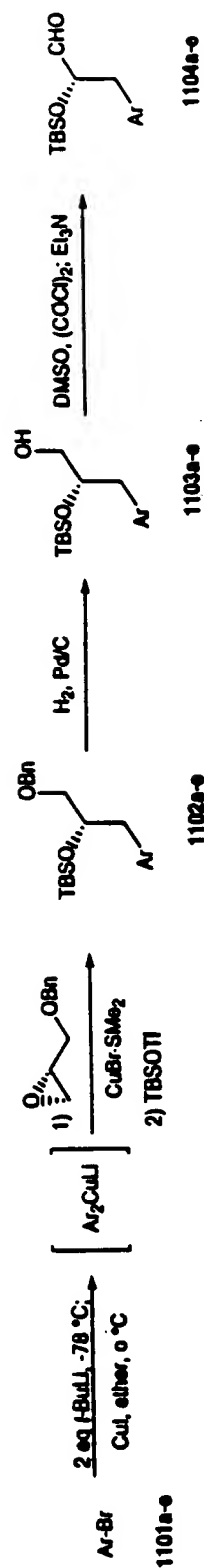
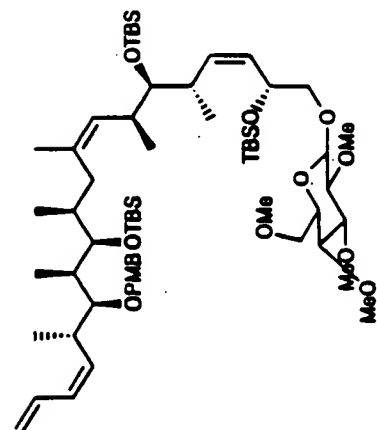
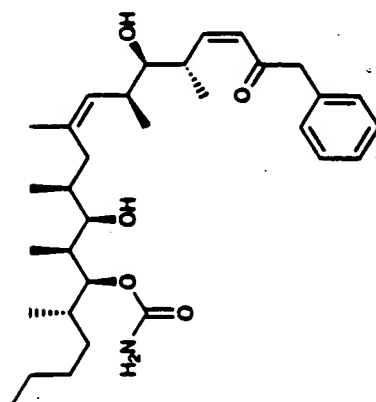
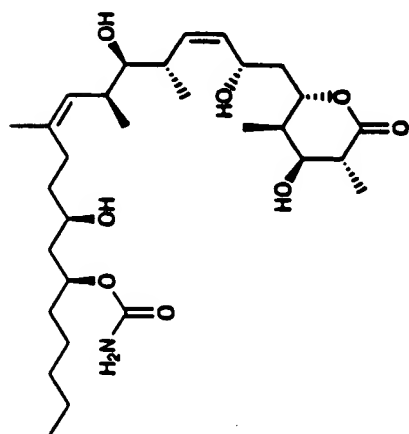
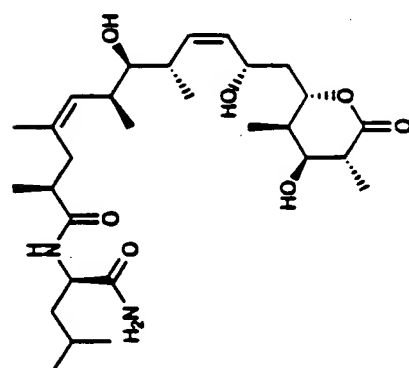
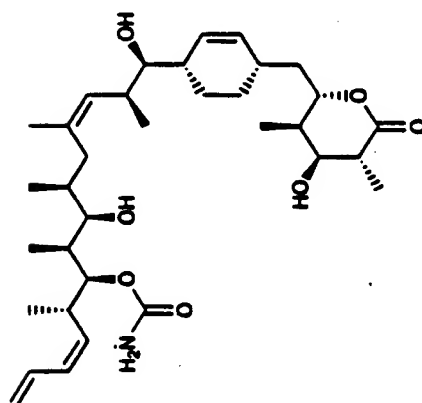
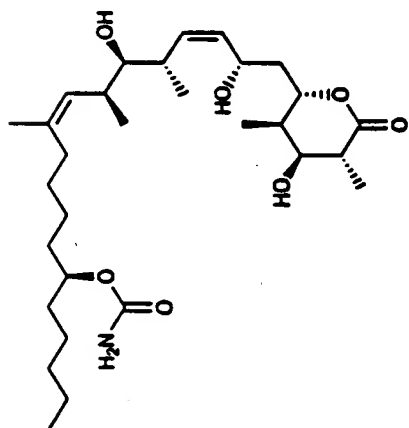
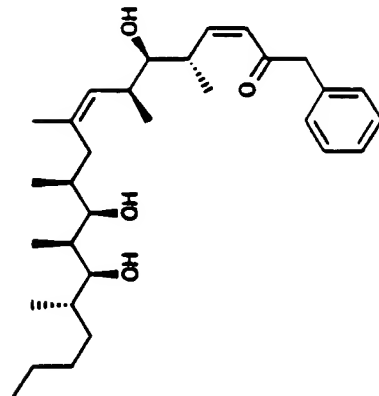
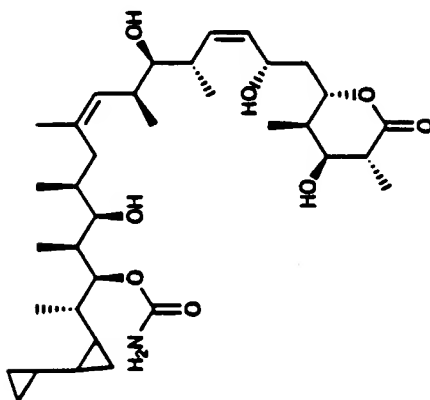
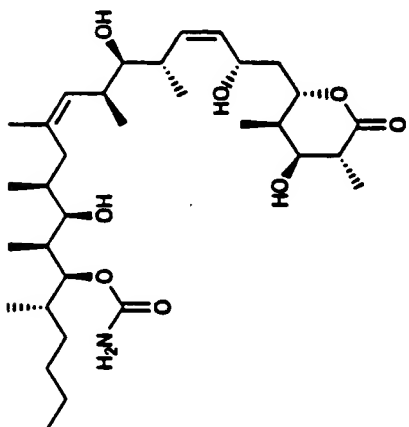
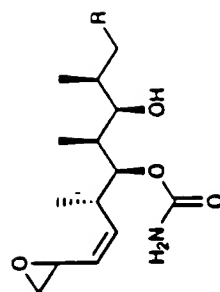
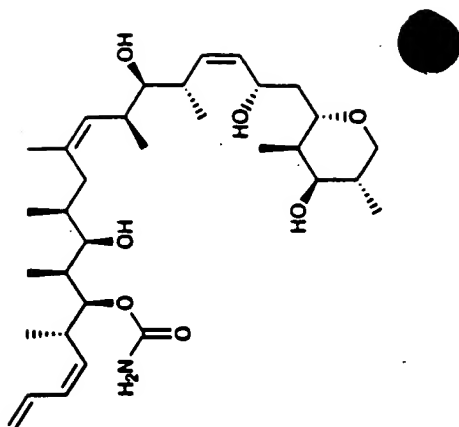
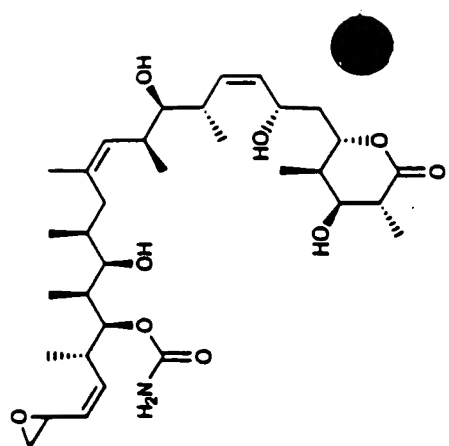
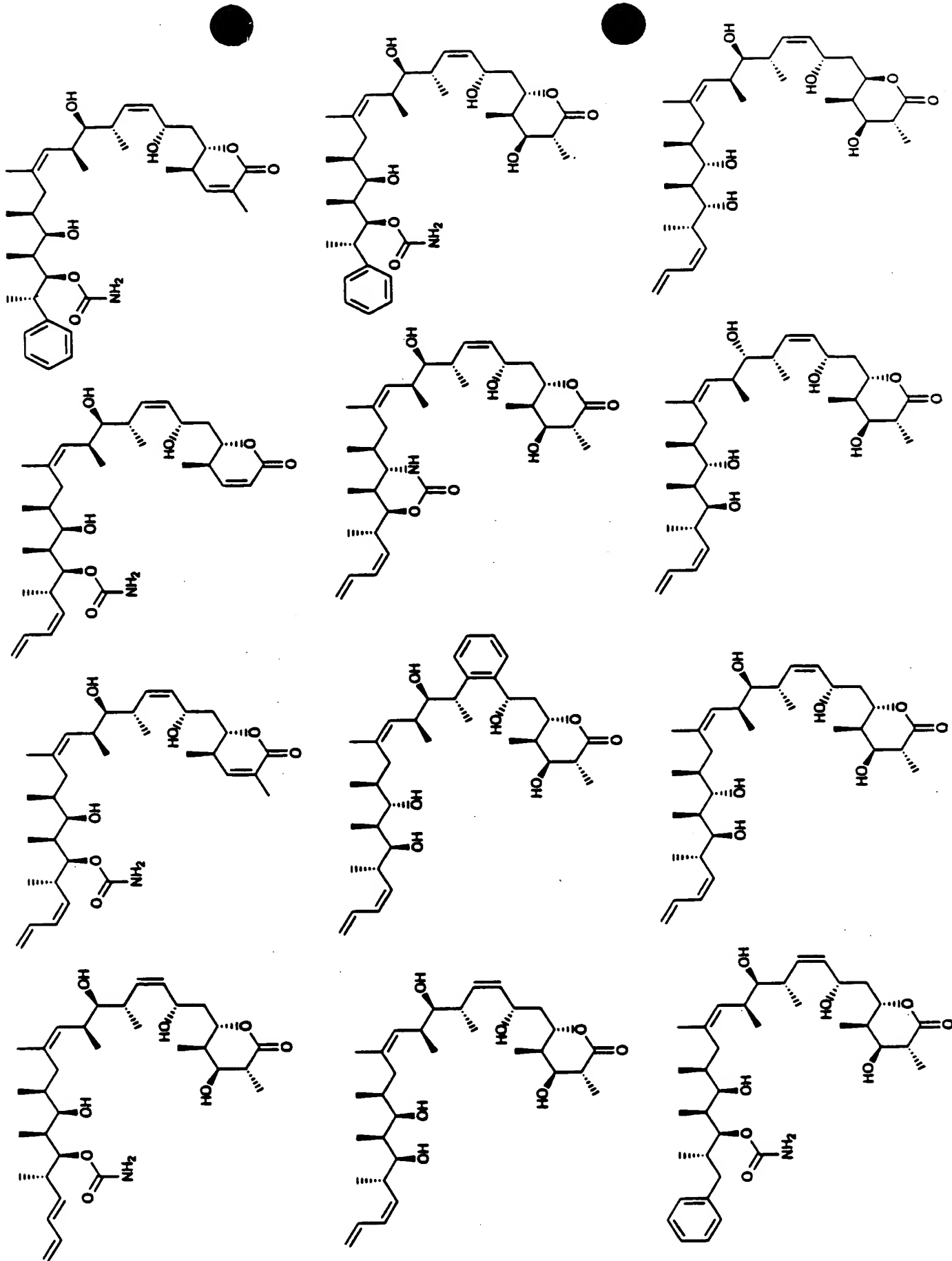


Figure 31









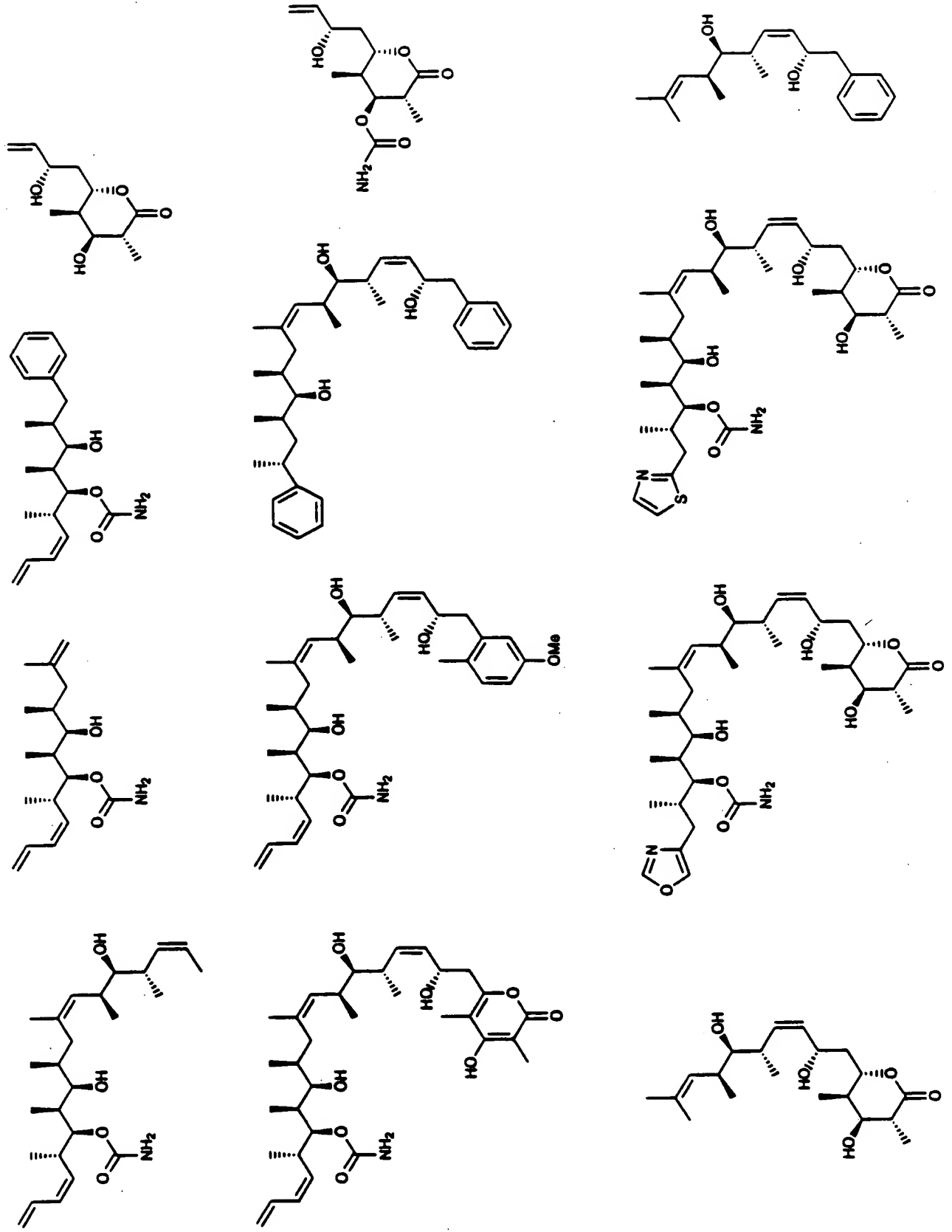


Figure 36

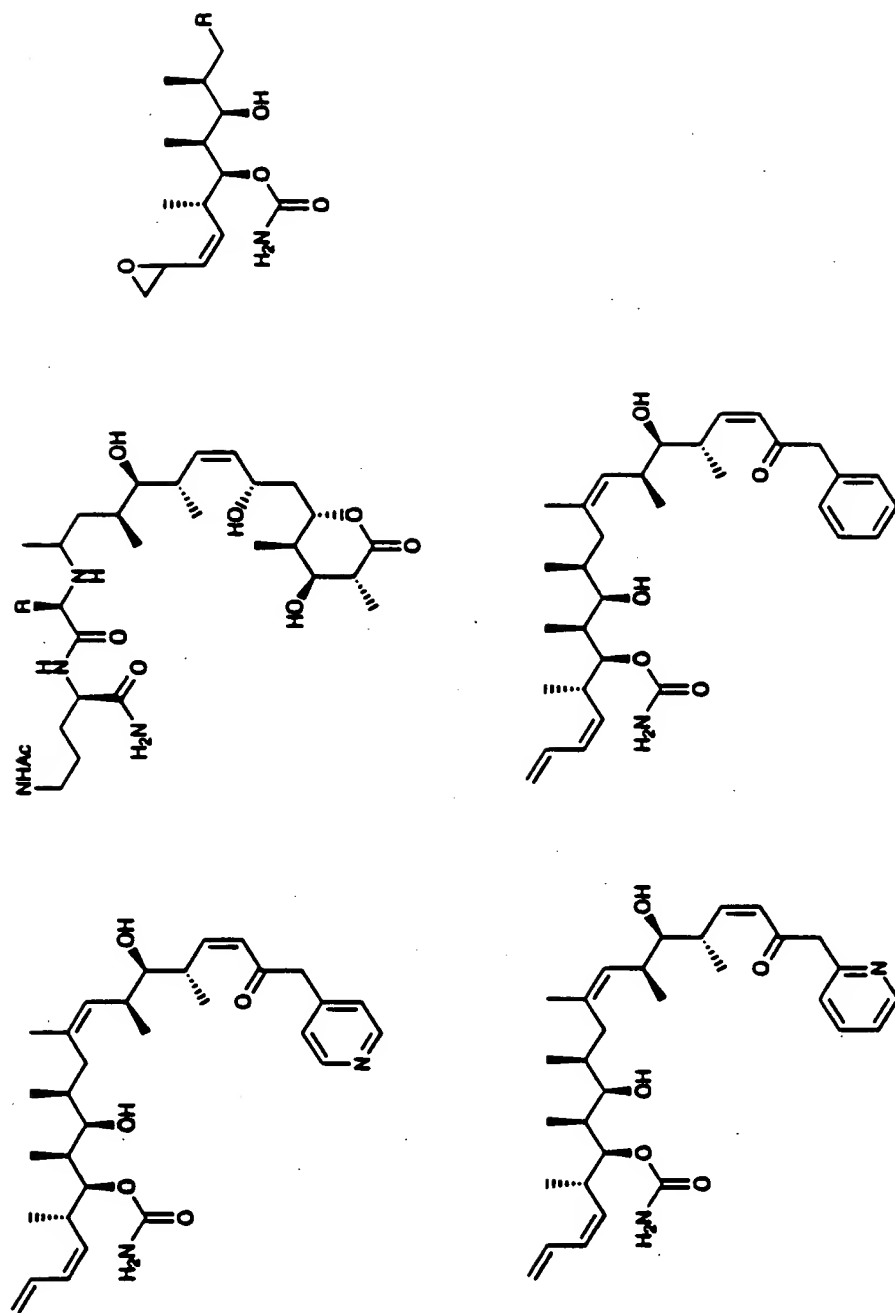


Figure 37

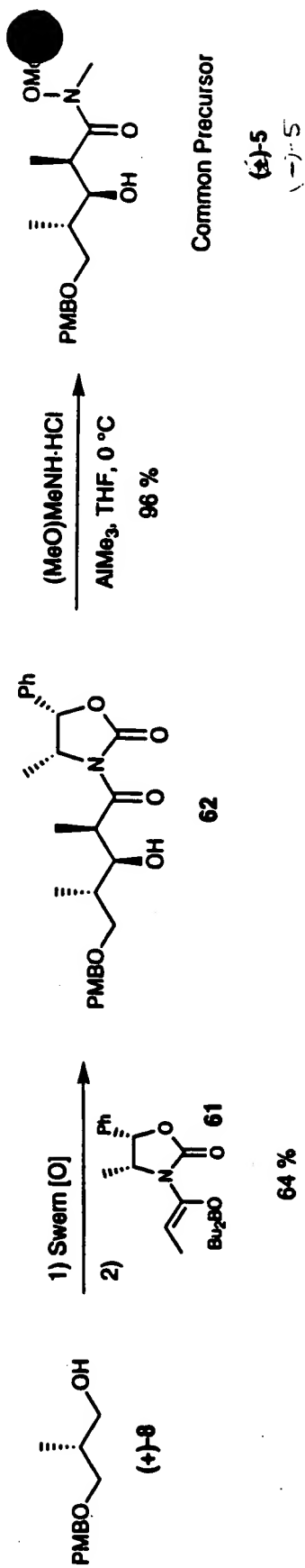




Figure 38

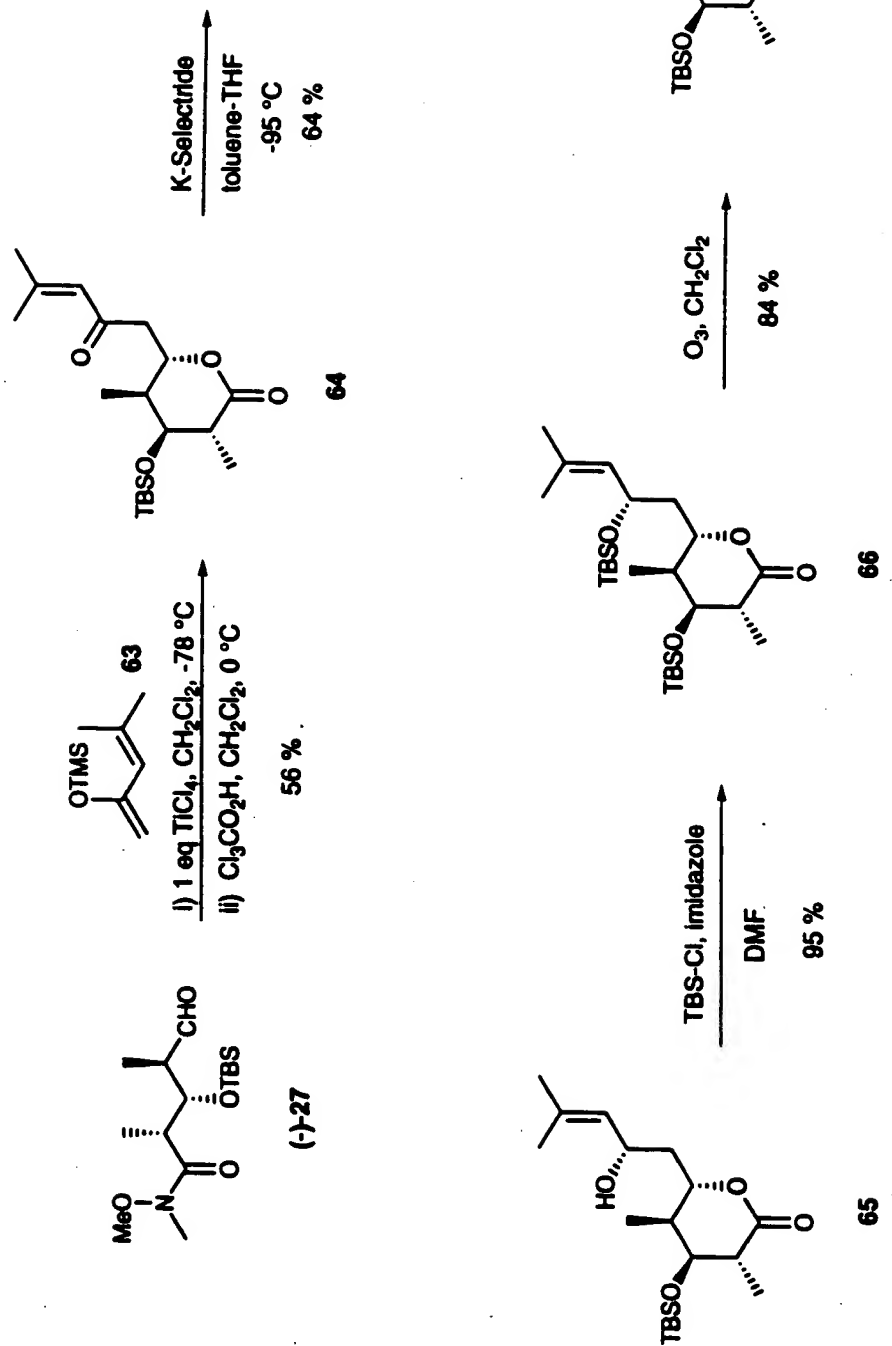


Figure 39

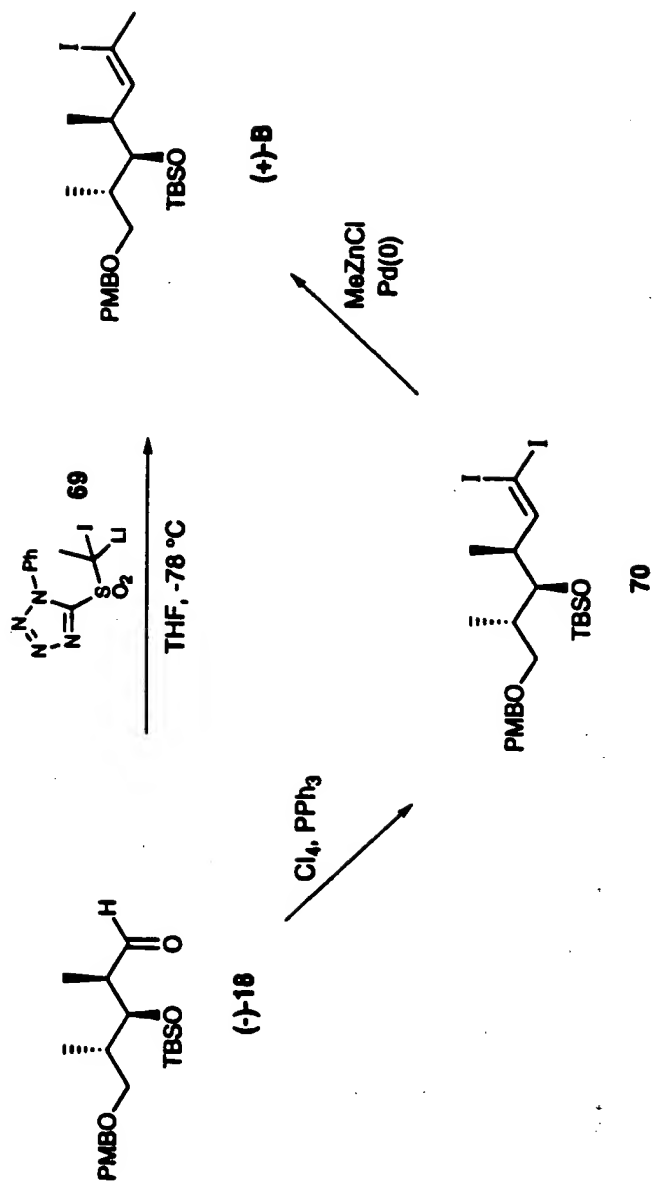


Figure 40

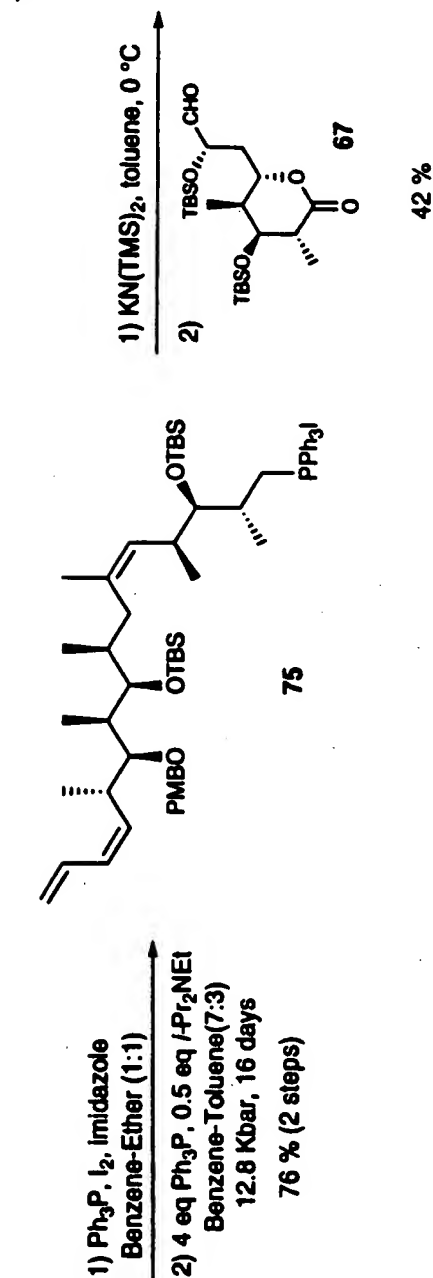
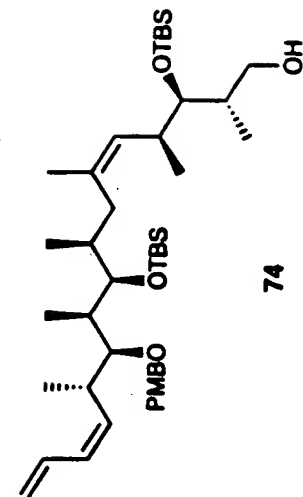
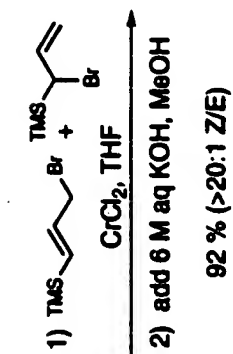
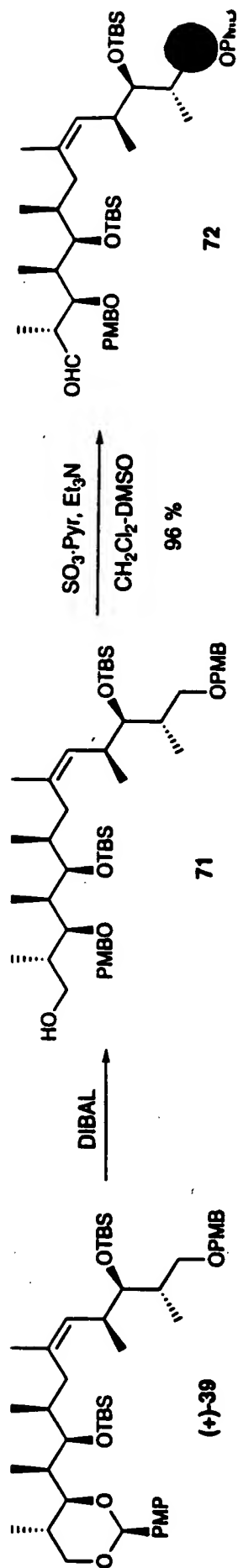


Figure 41

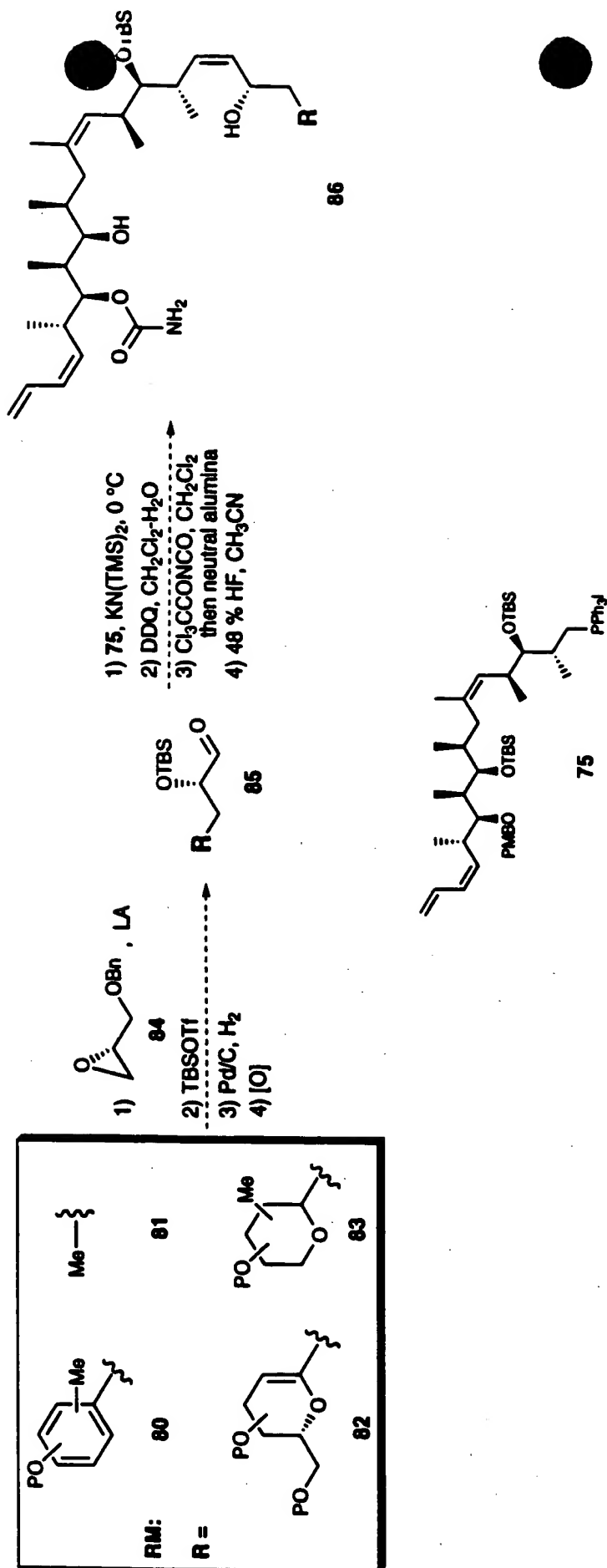


Figure 42

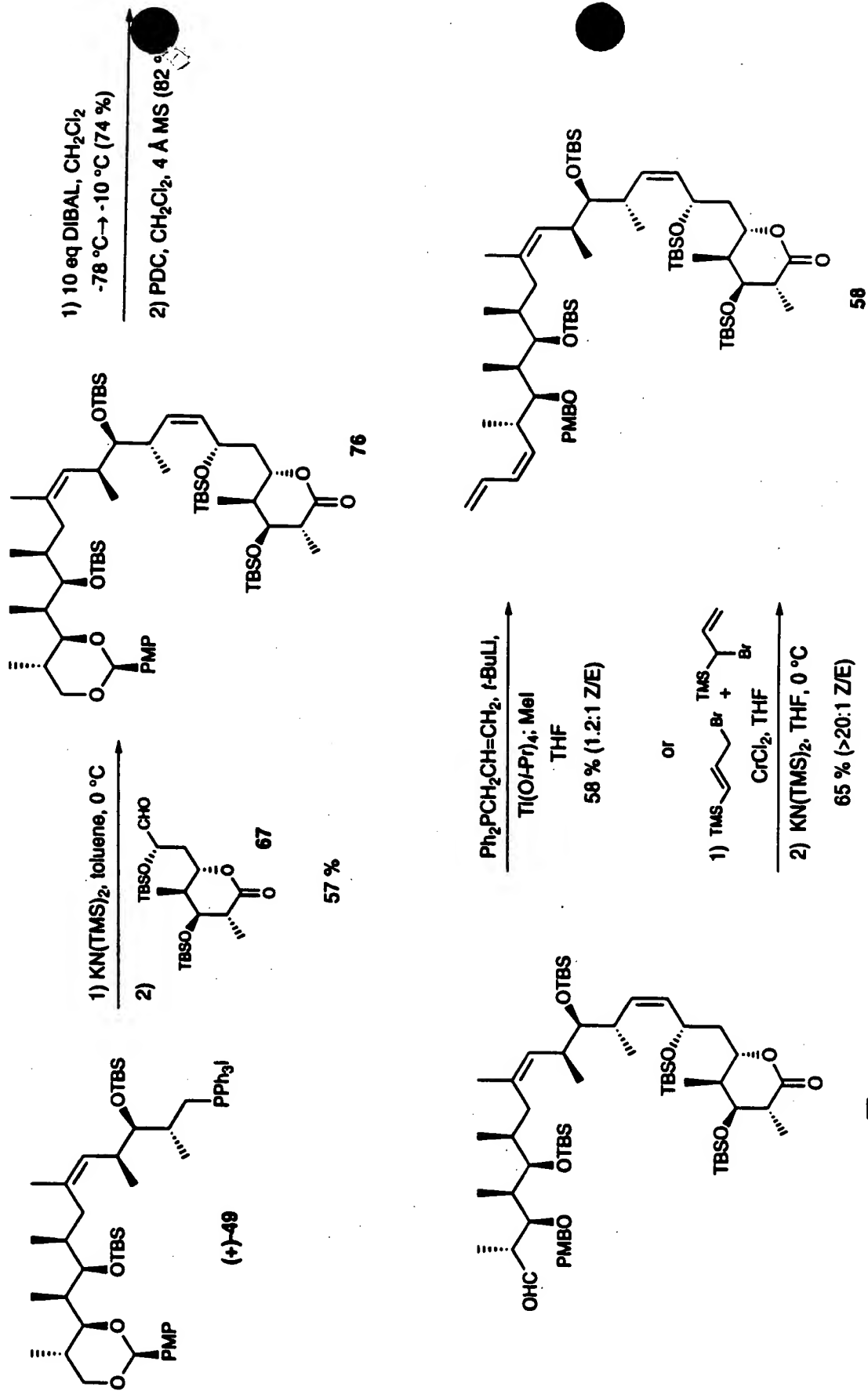






Figure 45

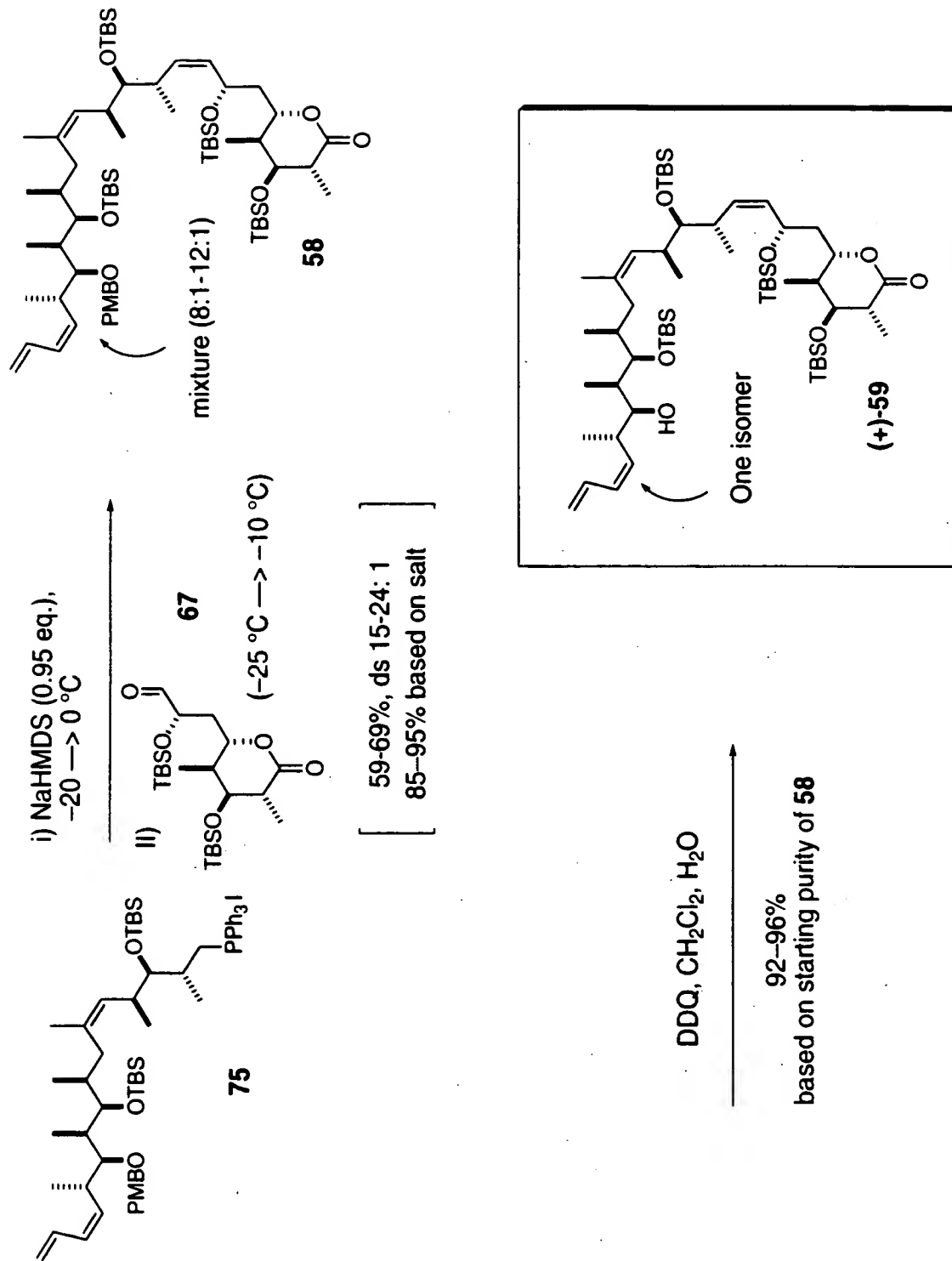




Figure 46

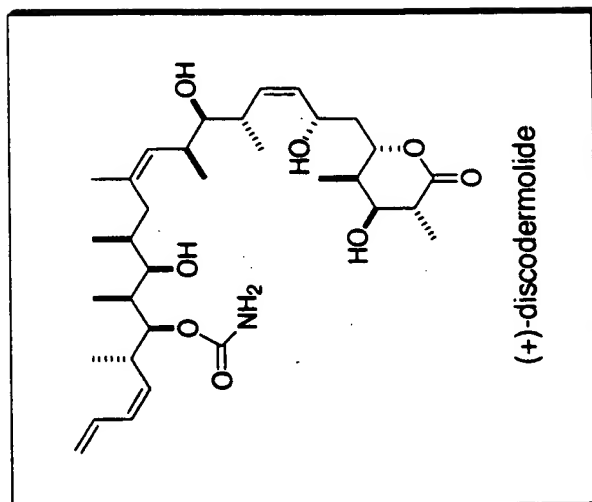
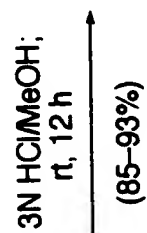
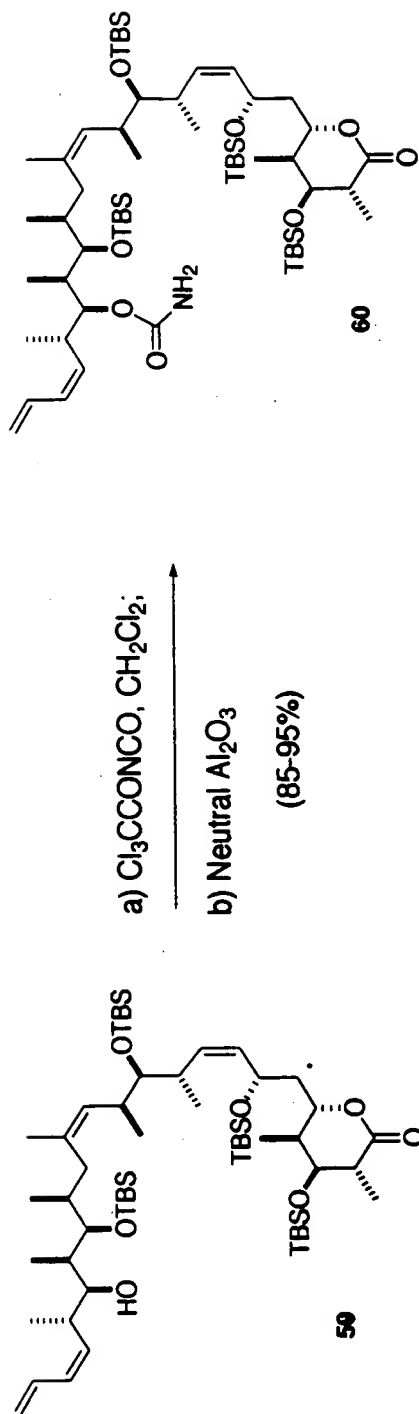




Figure 48

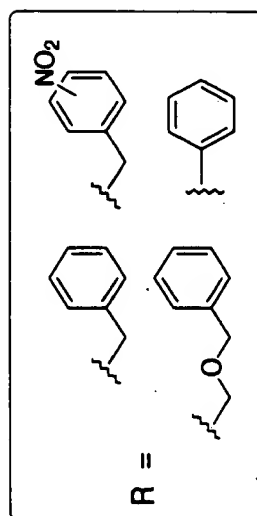
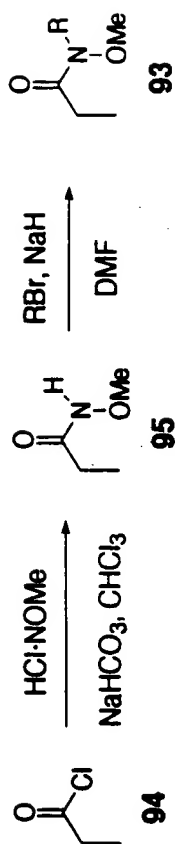


Figure 49

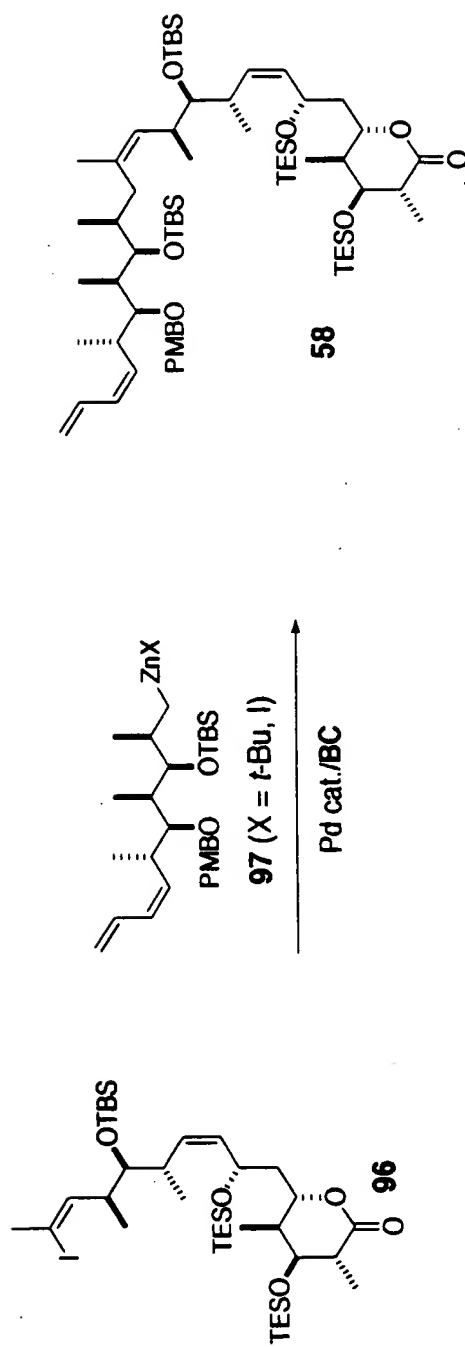
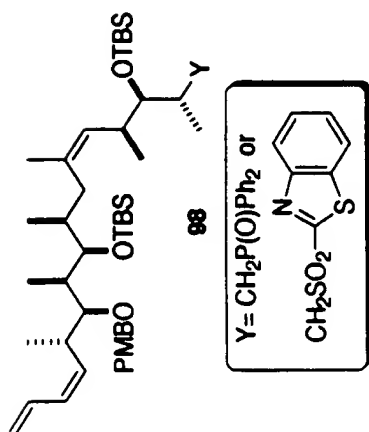
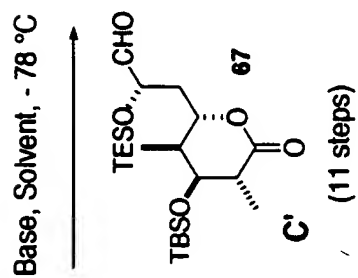
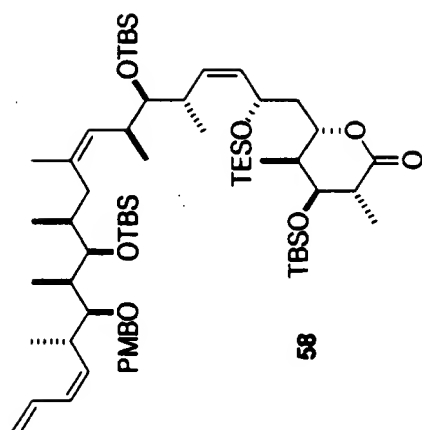
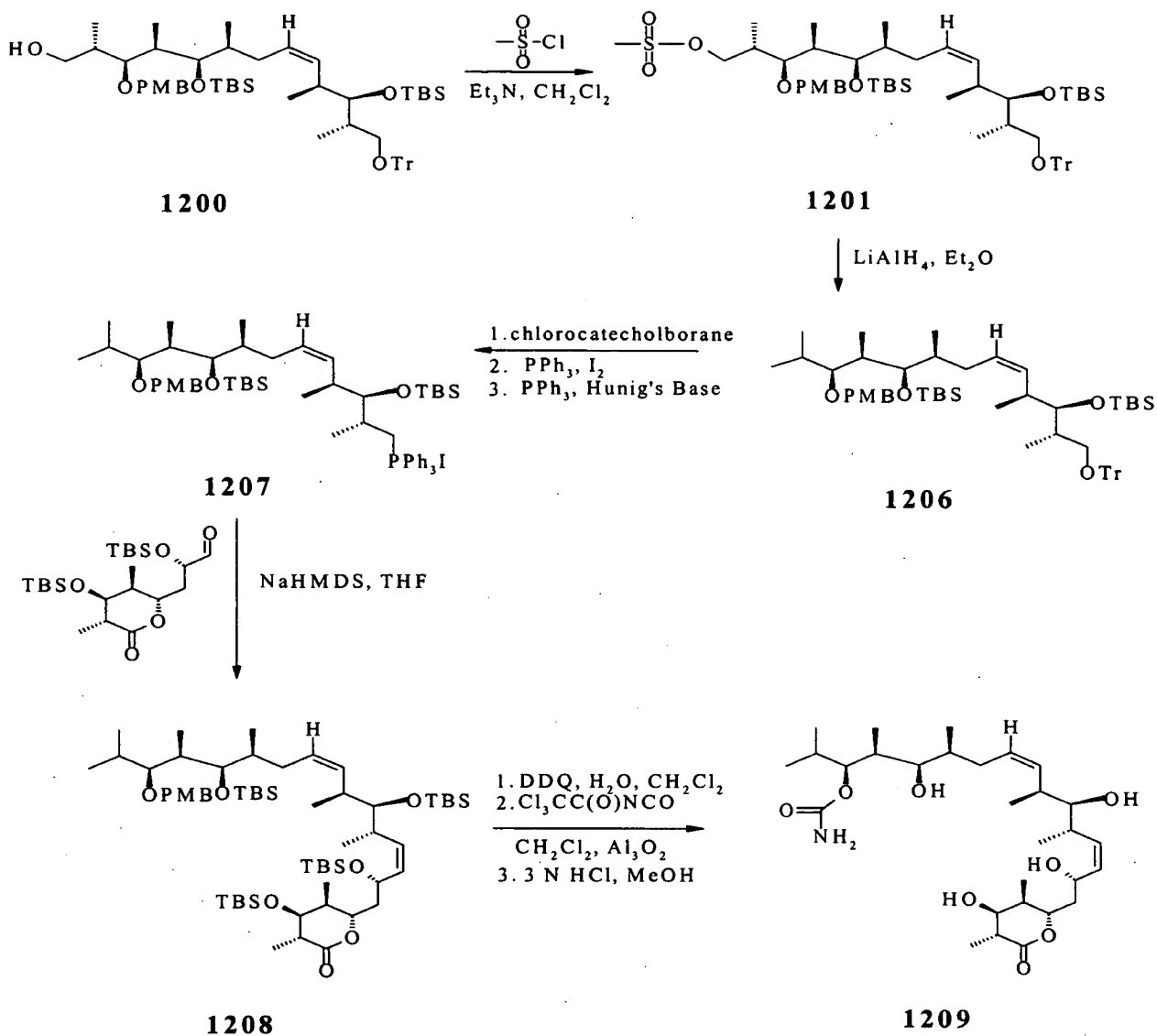


Figure 50



[illegible]

Figure 52



[illegible]